

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 15, 2004, 06:13:46 / Search time 2054 Seconds
(without alignments)
3869.310 Million cell updates/sec

Title: US-10-084-843-46

Perfect score: 327
Sequence: 1 CGGCACGAGACGATGCC.....TACGAAAGAACGAGCAA 327

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 22781392 seqs, 12152238056 residues

Total number of hits satisfying chosen parameters: 45562784

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database:

```

1: em_estda:*
2: em_esthum:*
3: em_estlin:*
4: em_estnu:*
5: em_estov:*
6: em_estpl:*
7: em_estro:*
8: em_hic:*
9: gb_est1:*
10: gb_est2:*
11: gb_hic:*
12: gb_est3:*
13: gb_est4:*
14: gb_est5:*
15: em_estfun:*
16: em_estom:*
17: em_gss_hum:*
18: em_gss_inv:*
19: em_gss_pln:*
20: em_gss_vrc:*
21: em_gss_fun:*
22: em_gss_mam:*
23: em_gss_mus:*
24: em_gss_pro:*
25: em_gss_rtd:*
26: em_gss_phg:*
27: em_gss_vrl:*
28: gb_gss1:*
29: gb_gss2:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	48	14.7	1203	29	AL106077 Drosophila
2	45.6	13.9	925	29	AL053013 Drosophila
3	44.4	13.6	640	14	CA035945 4002249 B
4	43.8	13.4	450	29	BZ627973 1h56h08.b

Result No.	Score	Query Match	Length	ID	Description
5	43.8	13.4	627	29	BZ628314 1h59c08.b
6	43.4	13.3	523	14	CB622445 OS11E09C
7	43.4	13.3	531	14	CB626968 OS11E01J
8	43.4	13.3	636	13	Bu647014 111205580
9	43.2	13.2	575	13	BX424977 BX424977
10	42.6	13.0	749	14	CB629564 OS11E050
11	42.6	13.0	1101	29	AL108460 Drosophila
12	42.2	12.9	1000	13	BX407619 BX407619
13	42	12.8	1201	13	BX356664 BX356664
14	41.8	12.8	493	9	AU225606 AU225606
15	41.8	12.8	594	14	CB671388 OSJNE04P
16	41.8	12.8	686	14	CB679538 OSJNE03C
17	41.8	12.8	752	14	CB657645 OSJNE013C
18	41.8	12.8	810	14	CB648132 OSJNE011G
19	41.8	12.8	839	29	CNS0048B CNS0048B
20	41.6	12.7	968	13	BUS01143 AGENCOURT
21	41.4	12.7	472	9	AA505878 1101407.s
22	41.2	12.6	494	10	BF624408 HVSMA001
23	41.2	12.6	699	14	CB451983 706802 MA
24	41.2	12.6	863	10	BF623307 HVSMA001
25	40.8	12.5	584	13	BO804868 WHE3559.H
26	40.8	12.5	664	10	BF473402 WHE0924.A
27	40.6	12.4	425	10	BE654967 UI-M-BH0
28	40.6	12.4	769	12	B1156802 602921432
29	40.6	12.4	984	13	BQ900926 AGENCOURT
30	40.4	12.4	415	14	CB869514 HCL1J05w
31	40.4	12.4	438	14	CA951988 1q17a03.x
32	40.2	12.3	398	10	AM924150 MSI.50.H1
33	40	12.2	354	14	W74016 ZD02d05.T1
34	40	12.2	414	9	AU162697 AU162697
35	40	12.2	607	14	CA377056 655542 NC
36	39.8	12.2	488	9	AA620979 aE88908.s
37	39.8	12.2	668	14	CD62188 DSM0A15x.f
38	39.8	12.2	705	14	CB635974 OS11E01P
39	39.8	12.2	972	13	BX349463 BX349463
40	39.6	12.1	385	9	AA243878 z765901.8
41	39.6	12.1	596	10	BF254867 HVSME000
42	39.6	12.1	809	29	BZ554327 pac61-60
43	39.6	12.1	847	14	CA792699 AGENCOURT
44	39.6	12.1	969	29	BZ555001 pac61-60
45	39.6	12.1	1069	29	BZ564567 pac62-164

ALIGNMENTS

RESULT 1
CNS015YR 1203 bp DNA linear GSS 26-JUL-1999
LOCUS Drosophila melanogaster genome survey sequence SP6 end of BAC
DEFINITION BACN15E12 of DrosBAC library from Drosophila melanogaster (fruit fly), genomic survey sequence.
ACCESSION AL106077.1 GI:5619907
VERSION AL106077
KEYWORDS GSS.
SOURCE Drosophila melanogaster (fruit fly)
ORGANISM Drosophila melanogaster
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.
1 (bases 1 to 1203)
Genoscope.
Direct Submission
Submitted (23-JUL-1999) Genoscope - Centre National de Sequencage : BP 191 91006 EVRY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr - Web : www.genoscope.cns.fr)
Determination of this BAC-end sequence was carried out as part of a collaboration with the European Drosophila Genome Project (EDGP) - http://www.edgp.ebi.ac.uk - This Drosophila melanogaster BAC library (Dros BAC) was made by Alain Billand at CERH (Centre d'Etude du Polymorphisme Humain) with funding provided by a MRC project grant. The DNA was prepared from embryos by Alain Bucheton and Genevieve Payan. It has been constructed in the vector

COMMENT

FEATURES	pBelobAC11.
SOURCE	Location/Qualifiers 1..1203 /organism="Drosophila melanogaster" /mol_type="genomic DNA" /db_xref="taxon:7227" /clone="BACN15E12" /clone_1lb="Dro8BAC" /plasmid="pBelobAC11" /note="end : SP6"
BASE COUNT	357 a 192 c 162 g 155 t 337 others
ORIGIN	
Query Match	14.7%; Score 48; DB 29; Length 1203;
Best Local Similarity	32.4%; Pred. No. 0.099;
Matches	57; Conservative 55; Mismatches 64; Indels 0; Gaps 0;
Dn	991 AGGGRRGCGCGCCGCCCCVAGMSRSMGARVRKGGSSSCSGCGRVGSAGCAG 105CTC
Oy	148 CCCAGGCCGCGGTGTGCCTTCCAAGAAGCACCAATATAGCAGAGGAATCTGACG 207
Dd	1051 RMVAAVACRSGGSGMGCGRCGSAAGVGGCRSAVAGASRGCGCMGRVVGMRMRGM 1110
Oy	208 AGATTCGACGAATTTTGTCAGGCGCGCGCTTCAATTCTCGAGGCGCAGCAGAG 263
Dd	1111 CRMACRMGMCAMGASCSACSWGGCGRGMGCRSARGMGSGAGMGMGRMAGMRSS 1166
RESULT 2	
CNS0091P/c	
LOCUS	CNS0091P 925 bp DNA linear GSS 03-JUN-1999
DEFINITION	Drosophila melanogaster genome survey sequence TETJ end of BAC # BACR19D16 of RPCT-98 library from Drosophila melanogaster (fruit fly), genomic survey sequence.
VERSION	AL053013
KEYWORDS	AL053013.1 GI:4934461
SOURCE	GSS.
ORGANISM	Drosophila melanogaster (fruit fly) Drosophila melanogaster Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Prexygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Ephydroidea; Drosophilidae; Drosophila. 1 (bases 1 to 925) Genoscope. Direct Submission Submitted (02-JUN-1999) Genoscope - Centre National de Sequence ; : BP 191 91006 EVRY cedex - FRANCE (E-mail : sequefgenosco.cns.fr - Web : www.genoscope.cns.fr) Determination of this BAC-end sequence was carried out as part of a collaboration with the Berkeley Drosophila Genome Project (BDGP). The BDGP is constructing a physical map of the Drosophila melanogaster genome using these BACs. For further information please see http://www.fruitfly.org The BDGP Drosophila melanogaster BAC library was prepared by Kazutoyo Osogawa and Aaron Mammoser in Pieter de Jong's laboratory in the Department of Cancer Genetics at the Roswell Park Cancer Institute in Buffalo, NY. The library is named RPCT-98 and was constructed by partial EcoRI digestion of Drosophila DNA provided by the BDGP from the isogenic strain Y2; cn bw sp, the same strain used for the BDGP's P1 and EST libraries. A more detailed description of the library and how to order individual BAC clones, the entire library, or filters for hybridization from the BACPAC Resource Center can be found at http://bacpac.med.buffalo.edu/drosophila_bac.htm.
REFERENCE	
AUTHORS	
TITLE	
JOURNAL	
COMMENT	
FEATURES	
SOURCE	Location/Qualifiers 1..925 /organism="Drosophila melanogaster" /mol_type="genomic DNA" /db_xref="taxon:7227" /clone="BACR19D16" /clone_1lb="RPCT-98" /note="end : TETJ"

ORIGIN	BASE COUNT	120 a	61 c	61 g	172 t	511 others
Query Match	13.3%;	Score 45.6;	DB 29;	Length 925;		
Best Local Similarity	15.4%;	Pred. No. 0.37;				
Matches	48;	Conservative 135;	Mismatches 129;	Indels 0;	Gaps 0;	
Oy	14	CGATGCCGCTAACCTTCGCCGAGGACAGGTATTTTCGAGCGGATCTCGGGGACCTGAA	73			
Db	844	CGAABCCWCGSSSSCCGSAARVTKPAGAGAKRGGSGAGSABSSSSACBSSSSSCS	785			
Oy	74	AACCAAGATGACACAGGTGAGTTCGACGCGAGGTTTCGTCAGGCGCACTGGCGCGCC	133			
Db	784	ASCMASASSSSASBSRSRSCGAGSGGASBSRSSSSSABAGSVASASSSSSCSSSV	725			
Oy	134	GCGCGGAGCGCCGCCGAGCGCGCGGTGTCCTTCGAAAGACAGCCAAATPAGCAGA	193			
Db	724	SCSSVASMCSBSSBSASASSSSSSSASCSCCCTTSWSCSCSTASMSAARSSS	665			
Oy	194	GCAGAACTCGACAGATCTCGACGAATTTTCGTCAGCGCGCGGTCTCAATCTCGAGGC	253			
Db	664	SSSSCSSSSMSASSSASSSSSSSSSSSSSSSSGSCAGSSMSGGSGSVASSGMSVV	605			
Oy	254	CGACGAGACACACAGACGCGCTGCTTCGCAAAAGGCTTCTGACCCGCTAATACGA	313			
Db	604	SSSGRRSSGGGGGAGVGSGSSSSSSSGSGSGSVSCSGCMCRSSGSAAAAACVA	545			
Oy	314	AAGAAACGAGC	325			
Db	544	ASCGMCGKSKS	533			
RESULT 3						
LOCUS	CA035945					
DEFINITION	4002249 BARC SBOV Bos taurus cDNA clone SBOV_83524 5', mRNA					
ACCESSION	CA035945					
VERSION	CA035945.1					
KEYWORDS	EST.					
SOURCE	Bos taurus (cow)					
ORGANISM	Eukaryote; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae; Bovidae; Bovinae; Bos.					
REFERENCE	1 (bases 1 to 640)					
AUTHORS	Sonstegard, T., Capuco, A.V., White, J., Van Tassell, C.P., Connor, E.E., Cho, J., Sultana, R., Shade, L., Wray, J.E., Welle, K.D. and Quackenbush, J.					
TITLE	Analysis of bovine mammary gland EST and functional annotation of the Bos taurus gene index					
JOURNAL	Mamm. Genome 13 (7), 373-379 (2002)					
MEDLINE	22135956					
PUBMED	12140684					
COMMENT	Contact: Sonstegard TS USA, ARS, Beltsville Agricultural Research Center Bldg. 200 Rm 2A, Beltsville, MD 20705, USA Tel: 301 504 8416 Fax: 301 504 8414 Email: tads@plai.ars.uga.gov Single pass sequencing. Bases called and trimmed with phred 0.000325 using options -trim alt - -trim fasta. Vector identified by cross match using options -mismatch 12 -minscore 12 Plate: 83 row: G column: 24 Seq primer: TGAGCGATACCAATTCACACAG High quality sequence stop: 640. Location/Qualifiers 1. 640 /organism="Bos taurus" /mol_type="mRNA" /db_xref="taxon:9913" /clone="SBOV_83524" /tissue_type="pooled"					
FEATURES						
Source						

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/lab_host="DH108"
/clone_1lb="BARC 5BOV"
/notes="Vector: PCMV SPORTE; Site 1: NotI; Site 2: SalI;
Library made from pooled mRNA isolated from mammary
tissues at eight physiological, developmental, and disease
states."

BASE COUNT      99 a      244 c      210 g      87 t
ORIGIN

Query Match      13.6%; Score 44.4; DB 14; Length 640;
Best Local Similarity 49.6%; Pred. No. 0.69;
Matches 114; Conservative 0; Mismatches 116; Indels 0; Gaps 0;

QY 61 CCGGCGCACTGAAACCCAGATGACAGGATGAGTGCAGCGAGGTTCTTCAGAGGCC 120
    |||
DB 287 CCGCGCGCGCTCATCATCAGACAGACAGTACAGAGTGGAGCGCCCTGCTCGA 346
    |||

QY 121 AGTGGCGCGCGCGCGGAGCGCGCCAGCGCGGTGTGCGCTTCCAGAGACAG 180
    |||
DB 347 AGCGGCGCGCGCGCGCGCGCTCGAGCGCTTGCAGCAAGGCCAGCGCCAGCTACAGGCTT 406
    |||

QY 181 CCAATAAGCAGAGACGAGAACTGACAGATCTGCAGCAATTTCTCAGAGCGCGCTCC 240
    |||
DB 407 GCAGAGCGCGCGAGAGAGCGAGCGAGCGCGCTGCGCTGACCAAGCTGCAGAGAGCGGCGC 466
    |||

QY 241 AATAGTGCAGAGCGCGAGAGAGAGCGAGCGCGCTGCTCGCAATG 290
    |||
DB 467 GGGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 516
    |||

RESULT 4
BZ627973/c      450 bp      DNA      linear      GSS 17-JAN-2003
LOCUS
DEFINITION      ih56n08.b1 WGS-Sbicolorf (DH5a methyl filtered) Sorghum bicolor
GENOMIC CLONE ih56n08 5', genomic survey sequence.
BZ627973
BZ627973.1 GI:27780058
GSS.
Sorghum bicolor (sorghum)
Sorghum bicolor
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoidae; Andropogoneae; Sorghum.
1 (bases 1 to 450)
Rabinowicz,P.D., O'Shaughnessy,A.L., Ballja,V., Dedhia,N.,
Katzenburger,F., King,L., Miller,B., Muller,S., Nascimben,L.,
Zutavern,T., Palmer,L., McCombie,W.R. and Martienssen,R.A.
Genomic shotgun sequences from Sorghum bicolor (methyl-filtered)
Unpublished
Contact: W. Richard McCombie
Lita Annenberg Hazen Genome Sequencing Center
Cold Spring Harbor Laboratory
PO Box 100, Cold Spring Harbor, NY 11724, USA
Tel: 516 367 8884
Fax: 516 367 8874
Email: mcombie@cshl.org
Plate: ih56 row: h column: 08
Seq primer: -21M13UnivFwd
Class: shotgun
High quality sequence stop: 465.
Location/Qualifiers
1. 450
/organism="Sorghum bicolor"
/mol_type="genomic DNA"
/db_xref="taxon:4558"
/clone="ih56n08"
/lab_host="DH5a"
/clone_1lb="WGS-Sbicolorf (DH5a methyl filtered)"
/notes="Site 1: Xba I; Site 2: Xba I; The vector was
digested with XbaI and one nucleotide was added by fill in
in the recessive 3' end. The genomic DNA was nebulized,
end repaired, adaptor ligated and size fractionated using
sephadex. The resulting fragments were between 0.8 and 3

```

```

kb and were cloned into the vector (.x/y reads in M13mp19,
.b/g reads in pUC19). The same ligation was transformed
into DH5a."

BASE COUNT      45 a      187 c      132 g      86 t
ORIGIN

Query Match      13.4%; Score 43.8; DB 29; Length 450;
Best Local Similarity 56.6%; Pred. No. 0.91;
Matches 81; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 62 CCGGCACTGAAACCCAGATGACACAGGTGAGTGCAGGAGTTCTTGCAGAGGCCA 121
    |||
DB 209 CGAGCGCTGTGGAGAGAGAGCGCGAGACGAGTGTGGTGCAGAGGCGAGGACGT 150
    |||

QY 122 GTGCGCGCGCGCGCGGAGACGCGCCAGCGCGGTGTGCGCTTCCAGAGACAG 181
    |||
DB 149 GCGCGCGCGCGCGCGCGCGCGAGAGAGCCAGAGAGAGGCGCGCGCTCGCAGGCACTC 90
    |||

QY 182 CAAATAAGCAGAGACGAGAACTCG 204
    |||
DB 89 CGAGAGAGAGAGTACTACAG 67
    |||

RESULT 5
BZ628314/c      627 bp      DNA      linear      GSS 17-JAN-2003
LOCUS
DEFINITION      ih59c08.b1 WGS-Sbicolorf (DH5a methyl filtered) Sorghum bicolor
GENOMIC CLONE ih59c08 5', genomic survey sequence.
BZ628314
BZ628314.1 GI:27780399
GSS.
Sorghum bicolor (sorghum)
Sorghum bicolor
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoidae; Andropogoneae; Sorghum.
1 (bases 1 to 627)
Rabinowicz,P.D., O'Shaughnessy,A.L., Ballja,V., Dedhia,N.,
Katzenburger,F., King,L., Miller,B., Muller,S., Nascimben,L.,
Zutavern,T., Palmer,L., McCombie,W.R. and Martienssen,R.A.
Genomic shotgun sequences from Sorghum bicolor (methyl-filtered)
Unpublished
Contact: W. Richard McCombie
Lita Annenberg Hazen Genome Sequencing Center
Cold Spring Harbor Laboratory
PO Box 100, Cold Spring Harbor, NY 11724, USA
Tel: 516 367 8884
Fax: 516 367 8874
Email: mcombie@cshl.org
Plate: ih59 row: c column: 08
Seq primer: -21M13UnivFwd
Class: shotgun
High quality sequence stop: 627.
Location/Qualifiers
1. 627
/organism="Sorghum bicolor"
/mol_type="genomic DNA"
/db_xref="taxon:4558"
/clone="ih59c08"
/lab_host="DH5a"
/clone_1lb="WGS-Sbicolorf (DH5a methyl filtered)"
/notes="Site 1: Xba I; Site 2: Xba I; The vector was
digested with XbaI and one nucleotide was added by fill in
in the recessive 3' end. The genomic DNA was nebulized,
end repaired, adaptor ligated and size fractionated using
sephadex. The resulting fragments were between 0.8 and 3
kb and were cloned into the vector (.x/y reads in M13mp19,
.b/g reads in pUC19). The same ligation was transformed
into DH5a."

BASE COUNT      76 a      277 c      155 g      119 t
ORIGIN

Query Match      13.4%; Score 43.8; DB 29; Length 627;

```

[illegible]

Db	183	GCGGCGGCGGCCGGCGCGAGATGCCCCCACCAGCGCGACTGTGCACGCGCCGAC	242
Qy	150	CAGGCGCGGCTGTGTCGCTTCCAGAAACCAATAGCAGGA	194
Db	243	CAGGCGCGGCGCGCATGCCCCCGCGCGCATGCGCGACAG	287
RESULT 7			
LOCUS	CB626968		
DEFINITION	OSIIIB01J05.f OSIIEB Oryza sativa (indica cultivar-group) cDNA		
ACCESSION	CB626968		
VERSION	CB626968.1		
KEYWORDS	EST.		
SOURCE	Oryza sativa (indica cultivar-group)		
ORGANISM	Oryza sativa (indica cultivar-group)		
REFERENCE	Kudrna,D., Dean,R., Soderlund,C., Wing,R. and Wang,G. Large-scale identification of ESTs involved in the interaction between rice and Magnaporthe grisea Unpublished Contact: Rod Wing Arizona Genomics Institute University of Arizona Biological Sciences West, 448A, P.O. Box 210088, Tucson, AZ 85721-0088, USA Tel: 520 626 3967 Fax: 520 621 9288 Email: http://genome.arizona.edu		
AUTHORS	Jantauriyarat,C., Lu,G., Gowda,M., Hatfield,J., Zhou,B., Mazur,E., Kudrna,D., Dean,R., Soderlund,C., Wing,R. and Wang,G. PCR primers FORWARD: gta aaa cga cgg cca gtcg BACKWARD: gga aac agc tat gac cat g Plate: 01 row: 5 column: 05 Seq primer: gta aaa cga cgg cca gtcg. Location/Qualifiers 1..531 /organism="Oryza sativa (indica cultivar-group)" /mol_type="mRNA" /cultivar="IR36" /db_xref="taxon:39946" /clone="OSIIEB01J05" /tissue_type="Leaf" /dev_stage="3 week" /lab_host="DH10B" /clone_id="OSIIEB" /note="Vector: pBluescript II KS +; Site_1: EcoRI, Site_2: XhoI; 24 hrs after inoculation with Rice Blast (PO6-6-3)".		
FEATURES			
SOURCE			
BASE COUNT	99 a 162 c 192 g 78 t		
ORIGIN			
Query Match	13.3%	Score 43.4;	DB 14; Length 531;
Best Local Similarity	53.9%;	Pred. No. 1.2;	
Matches	89;	Conservative 0;	Mismatches 76; Indels 0; Gaps 0
Qy	30	GCGCAGGAGGAGGTAATTTCGAGCGGATCTTCGCGCGACTGAAAAACCCAGATCGACCG	89
Db	112	GCGATGCGCGCCGAGAAATTACTTGAGAGTTCCCGCACGCGCGGACGACGACGACATGGTG	171
Qy	90	GTGAGTCGACGCGAGAGTTGCTTSCAGGCGCCAGTGGCGCGCGCGCGGAGCGGCGCC	149
Db	172	GCGGCGGCGCGCGCGCGCGCGCGGAGATGGCCCCCACCAGCGCGCGACTGTGCGACGCGCGGC	231
Qy	150	CAGGCGCGGCTGTGTCGCTTCCAGAAACCAATAGCAGGA	194
Db	232	CAGGCGCGGCGCGCGCATGCCCCCGCGCGCATGCGCGACAG	276

RESULT 8
BU647014
LOCUS
DEFINITION
112055809.Y1 C. reinhardtii CC-1690 (mt+), CC-1691 (mt-), Gamete
(normalized), Lambda Zap II Chlamydomonas reinhardtii cDNA, mRNA

ACCESSION
BU647014
VERSION
BU647014.1
KEYWORDS
GI:23359194
SOURCE
Chlamydomonas reinhardtii
Chlamydomonas reinhardtii
Chlamydomonas reinhardtii
Eukaryota; Viridiplantae; Chlorophyta; Chlorophyceae; Volvocales;
Chlamydomonadaceae; Chlamydomonas.

REFERENCE
AUTHORS
1 (bases 1 to 636)
Grossman, A., Chang, C.-M., Davies, J., Harris, E., Hauser, C., Lefebvre
P., McDermott, J.P., Shrago, J., Silflow, C. and Stern, D.
Analysis of the Chlamydomonas reinhardtii Genome: A Model,
Unicellular System for Analyzing Gene Function and Regulation in
Vascular Plants. Project: 1112
Unpublished

JOURNAL
COMMENT
Contact: Charles Hauser
DCMB Box 91000
Duke University
Durham, NC 27708-1000
Tel: 919 613 8159
Fax: 919 613 8177
Email: chauser@duke.edu.

FEATURES
source
Location/Qualifiers
1..636
/organism="Chlamydomonas reinhardtii"
/mol_type="mRNA"
/strain="219 (CC-1690 wild type mt+) & 6145C (CC-1691
wild type mt-)"
/db_xref="taxon:3055"
/db_xref="taxon:3055"
/clone_lib="C. reinhardtii CC-1690 (mt+), CC-1691 (mt-),
Gamete (normalized), Lambda Zap II"
/note="Vector: pBluescript II SK-; Site 1: EcoRI; Site 2:
XhoI; Gamete library was constructed by Hui Zhao, Min Lu,
Jeffrey McDermott, William J. Snell and John Davies.
Strain 219 cells (CC-1690, mating type plus) and strain
6145C cells (CC-1691, mating type minus) that had been
growing on a light-dark cycle (13:11 L/D) in R-medium
(Sager and Granick) were separately transferred into
nitrogen-free medium at 8 hours into the light period.
Polya mRNA was purified from each sample every 2 hours for
the next 18 hours. The mRNA was pooled and used for cDNA
synthesis. The cDNA was directionally cloned into Lambda
Zap II (Stratagene) in the EcoRI (5') and XhoI (3')
sites. pBluescript II SK- plasmids were excised from the
Lambda Zap clones by superinfection with ExSist
(Stratagene) phage. The library was normalized using
method 4 described in Bonaldo et al., (1996) Genome
Research 6: 791-806."

BASE COUNT
ORIGIN
103 a 198 c 261 g 74 t

Query Match 13.3%; Score 43.4; DB 13; Length 636;
Best Local Similarity 48.9%; Pred. No. 1.2;
Matches 116; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

45 AATTTCAGCGGAGTCTCCGCGGACCTGAAACCAAGATGACAGAGTGAAGTGCAGCGCA 104
1112055809.Y1 C. reinhardtii CC-1690 (mt+), CC-1691 (mt-), Gamete
(normalized), Lambda Zap II Chlamydomonas reinhardtii cDNA, mRNA

339 AAGTGGAGAGAGTTCGCGGCGGAGACTCCCGCGGACGACACCCGAGCCGTGGAGCGGCG 398
105 GATTTCGTTGAGAGGCGGAGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 164
399 GACCCCGCGCGCGCGCGAGAGCTGTTGTGAGAGTGTGCGGCGGAGCTGCGAGGCG 458
165 CGCTTCAAGAGAGCAATTAAGCAGAGAGCAAGCAAGATCTGAGCAATATT 224
459 GCGGTGAGAGCGGCGGCGGAGAGCGGAGCTGAGTTCACAGGCTGCTGGCGGAGGTG 518
225 CGTACGCGCGGCGTCAATCTCGAGGCGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 281

Db 519 CGGAGCGCCACCGTCACTCCACAGAGCGTGGCGCTGTGCGCAAGCGCGTCTCC 575

RESULT 9
BX424977
LOCUS
DEFINITION
BX424977 Homo sapiens PLACENTA Homo sapiens cDNA clone CLOB005ZH04
3-PRIME, mRNA sequence.

ACCESSION
BX424977
VERSION
BX424977.1
KEYWORDS
GI:30784421
SOURCE
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
AUTHORS
1 (bases 1 to 515)
Li, W.-B., Gruber, C., Jessee, J., and Polyes, D.
Full-length cDNA libraries and normalization
Unpublished

JOURNAL
COMMENT
Contact: Genoscope - Centre National de Sequencage
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 6304.f. For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CLOB005ZH04F1&cluster=6304.f. Contact :
Feng Liang Email: fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Paradise Avenue, Genoscope sequence ID: CLOB005ZH04F1.

FEATURES
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Location/Qualifiers
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CLOB005ZH04"
/tissue="PLACENTA"
/clone_lib="Homo sapiens PLACENTA"
/note="Vector: pCMVSPORT 6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."

BASE COUNT
ORIGIN
44 a 22 c 56 g 173 t 220 others

Query Match 13.2%; Score 43.2; DB 13; Length 515;
Best Local Similarity 11.6%; Pred. No. 1.3;
Matches 22; Conservative 98; Mismatches 70; Indels 0; Gaps 0;

92 GAGTGCAGCGGAGTTCGTCGAGGCGCAGTGGCGGCGGCGGCGGCGGCGGCGGCGGCA 151
1112055809.Y1 C. reinhardtii CC-1690 (mt+), CC-1691 (mt-), Gamete
(normalized), Lambda Zap II Chlamydomonas reinhardtii cDNA, mRNA

292 GCGSSSSSSSSSSSSSSAAARAAAVVSVSSSSSSSSSSSSSSSSSSSSSSSSSSSS 351
152 GCGCGGCGTGTGCTCCAGAGAGCGCAGATTAAGCAGAGCAAGCAAGATGAGAT 211
352 SSS 411
212 CTGAGCAATATTCTGTCAGGCGCGGCTGCAATCTCGAGGCGGAGAGAGAGAGAGCA 271
412 SSS 471
272 GCGGCTGTCTC 281
472 SSSSSSSSSSV 481

RESULT 10
CB629564
LOCUS
DEFINITION
OSIIB05014.f OSIIB Oryza sativa (indica cultivar-group) cDNA

ACCESSION clone OS1EB05014 5', mRNA sequence.
 VERSION CB629564
 KEYWORDS GI:2962453
 SOURCE EST.
 ORGANISM Oryza sativa (indica cultivar-group)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Eubartoideae; Oryzaceae; Oryza.
 1 (bases 1 to 749)
 Jantaririyarat,C., Lu,G., Gowda,M., Haffield,J., Zhou,B., Mazur,E., Kudrna,D., Dean,R., Soderlund,C., Wang,R. and Wang,G.
 Large-scale identification of ESTs involved in the interaction between rice and Magnaporthe grisea
 Unpublished
 Contact: Rod Wing
 Arizona Genomics Institute
 University of Arizona
 Biological Sciences West, 448A, P.O. Box 210088, Tucson, AZ 85721-0088, USA
 Tel: 520 626 3967
 Fax: 520 621 9288
 Email: http://genome.arizona.edu
 PCR Primers
 FORWARD: gta aaa cga cgg cca gtc
 BACKWARD: gga aac agc tat gac cat g
 Plate: 05 row: 0 column: 14
 Seq primer: gta aaa cga cgg cca gtc.
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 /clone="OS1EB05014"
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 /dev_stage="3 week"
 /lab_host="DH10B"
 /clone_1lb="OS1EB"
 /note="Vector: pBluescript II KS +; Site 1: EcoRI; Site 2: XhoI; 24 hrs after inoculation with Rice Blast (Poc-6-3)"
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 Best Local Similarity 51.3%; Pred. No. 2;
 Matches 99; Conservative 0; Mismatches 94; Indels 0; Gaps 0;
 QY 77 CCAGATCGACGAGTGTGAGTGCAGCGGCGAGTTCGTCAGAGGCGGCGGCGCGC 136
 Db 266 CGAGGGCGAAGCTGTGTCACCGCGCGCGCGCGCGAGCAGCAGTGTGCACGAGGG 325
 QY 137 GGGAGCGGC 196
 Db 326 CGGATTCGC 385
 QY 197 GGAATCGACGAGATCTCGAGGAATATTCGTGAGGCGCGCGCGCGCGCGCGCGC 256
 Db 386 CGACATCGAGAGGCTCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 445
 QY 257 CGAGAGCAGCAGCAG 269
 Db 446 GGAGCTTCAGCAG 458
 RESULT 11
 CDS0175Y 1101 bp DNA linear GSS 26-JUL-1999
 LOCUS Drosophila melanogaster genome survey sequence SP6 end of BAC
 DEFINITION BACN37L08 of Drosophila library from Drosophila melanogaster (fruit fly), genomic survey sequence.
 ACCESSION AL108460
 VERSION AL108460.1 GI:5628764

KEYWORDS GSS.
 SOURCE Drosophila melanogaster (fruit fly)
 ORGANISM Drosophila melanogaster
 Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.
 1 (bases 1 to 1101)
 Genoscope.
 Direct Submission
 Submitted (23-JUL-1999) Genoscope - Centre National de Sequencage : BP 191 91006 EVRY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr - Web : www.genoscope.cns.fr)
 Determination of this BAC-end sequence was carried out as part of a collaboration with the European Drosophila Genome Project (EDGP) - http://www.edgp.ebi.ac.uk -. This Drosophila melanogaster BAC library (Dros BAC) was made by Alain Billaud at CEPH (Centre d'Etude du Polymorphisme Humain) with funding provided by a MRC project grant. The DNA was prepared from embryos by Alain Bucheton and Genevieve Payan. It has been constructed in the vector pBelOBAC11.
 FEATURES
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 /clone="BACN37L08"
 /clone_1lb="DrosBAC"
 /plasmid="pBelOBAC11"
 /note="end : SP6"
 BASE COUNT
 254 a 176 c 160 g 152 t 359 others
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 Best Local Similarity 17.6%; Pred. No. 2.1;
 Matches 52; Conservative 125; Mismatches 118; Indels 0; Gaps 0;
 QY 25 CCTCGCGCAGAGGACGAGTATTCGATTCGCGCGCGCGCGCGCGCGCGCGC 84
 Db 707 CCAMACSS 766
 QY 85 ACCAGGTGAGTGCAGCGGCGAGTTCGTCAGAGGCGGCGCGCGCGCGCGCGC 144
 Db 767 GGGGCGCAGGCGCAGCAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 826
 QY 145 CCGCCAGC 204
 Db 827 MSKXASVAVASVAVASVAVASVAVASVAVASVAVASVAVASVAVASVAVAS 886
 QY 205 ACAGATCTCGACGATATTCGTGAGCGCGCGCGCGCGCGCGCGCGCGC 264
 Db 887 ASSSSASASMAVAAAAVAVSVSVSVSVSVSVSVSVSVSVSVSVSVSVSVSV 946
 QY 265 AGCAGCAGGC 319
 Db 947 SSSSV 1001
 RESULT 12
 LOCUS Bx407619 1000 bp mRNA linear EST 15-MAY-2003
 DEFINITION Bx407619 Homo sapiens PLACENTA Homo sapiens cDNA clone CSDBE005Y119
 5-PRIME, mRNA sequence.
 ACCESSION Bx407619
 VERSION Bx407619.1 GI:30762809
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 1000)
 REFERENCE Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
 TITLE Full-length cDNA libraries and normalization
 JOURNAL Unpublished

BASE COUNT 92 a 160 c 179 g 62 t
 ORIGIN /dev stage="tri-nucleate pollen stage"
 /clone_11b="Oryza sativa Koshihikari p1et11"

Query Match 12.8%; Score 41.8; DB 9; Length 493;
 Best Local Similarity 53.3%; Pred. No. 2.9;
 Matches 88; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

QY 30 GCGCAGAGGACGAGTAAATTTTCGAGCGGATCTCCGCGACCTGAAMACCAGATCGACGAG 89
 DB 120 GCGATGGCCCGCCGAGAACTACTGAGGTTCCGCCACGCGCGACGACGAGCCCATGCTG 179
 QY 90 GTGAGTTCGACGCGCAGGTTCTTTCGAGGCGCCGCGCGCGCGCGCGCGCGCGCGCGCG 149
 DB 180 GCG 239
 QY 150 CAGGCGCGCGGTGTCGCTTCCAAAGACGACCAATTAAGAGAG 194
 DB 240 CAGGCGCGCGGTGTCGCTTCCAAAGACGACCAATTAAGAGAG 284

RESULT 15
 CB671388 594 bp mRNA linear EST 09-APR-2003
 LOCUS OSJNE04P05.f OSJNE Oryza sativa (japonica cultivar-group) cDNA
 DEFINITION clone OSJNE04P05 5', mRNA sequence.

ACCESSION CB671388
 VERSION CB671388.1 GI:29675113
 SOURCE EST.
 ORGANISM Oryza sativa (japonica cultivar-group)
 Oryza sativa (japonica cultivar-group)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliopsida; Liliopsida; Poales; Poaceae;
 Eriocarpaceae; Oryzae; Oryza.

REFERENCE 1 (bases 1 to 594)
 AUTHORS Jantauxiyarat,C., Lu,G., Gowda,M., Hatfield,V., Zhou,B., Mazur,E.,
 Kudrna,D., Dean,R., Soderlund,C., Wing,R. and Wang,G.
 Large-scale identification of ESTs involved in the interaction
 between rice and Magnaporthe grisea

TITLE Unpublished
 JOURNAL Contact: Rod Wing
 COMMENT Arizona Genomics Institute
 University of Arizona
 Biological Sciences West, 448B, P.O. Box 210088, Tucson, AZ
 85721-0088, USA
 Tel: 520 626 3967
 Fax: 520 621 9288
 Email: http://genome.arizona.edu

PCR Primers
 FORWARD: gta aaa cga cgg cca gtc
 BACKWARD: gga aac agc tat gac cat g
 Plate: 04 row: P column: 05
 Seq primer: gta aaa cga cgg cca gtc.
 Location/Qualifiers

FEATURES
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 /clone="OSJNE04P05"
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 /lab_host="DH10B"
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 XhoI; 24 hrs after inoculation with Rice Blast (70-15)"

BASE COUNT 114 a 174 c 213 g 93 t
 ORIGIN

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 Best Local Similarity 53.3%; Pred. No. 3;
 Matches 88; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

QY 30 GCGCAGAGGACGAGTAAATTTTCGAGCGGATCTCCGCGACCTGAAMACCAGATCGACGAG 89
 DB 126 GCGATGGCCCGCCGAGAACTACTGAGGTTCCGCCACGCGCGACGACGAGCCCATGCTG 185
 QY 90 GTGAGTTCGACGCGCAGGTTCTTTCGAGGCGCCGCGCGCGCGCGCGCGCGCGCGCGCG 149
 DB 186 GCG 245
 QY 150 CAGGCGCGCGGTGTCGCTTCCAAAGACGACCAATTAAGAGAG 194
 DB 246 CAGGCGCGCGGTGTCGCTTCCAAAGACGACCAATTAAGAGAG 290

Search completed: January 15, 2004, 07:21:29
 Job time : 2062 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 15, 2004, 06:13:46 ; Search time 258 Seconds
(without alignments)
3421.381 Million cell updates/sec

Title: US-10-084-843-46

Perfect score: 327
Sequence: 1 CGGACGAGAGACCGATGCC.....TACGAAGAGAAACGAGCAA 327

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 2552756 seqs, 1349719017 residues

Total number of hits satisfying chosen parameters: 5105512

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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2: /SIDSI/gcgdata/geneseq/geneseqn-emb1/NA1981.DAT:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	327	100.0	327	18	AAT91509	Mycobacterium tube
2	327	100.0	327	18	AAV91445	Mycobacterium tube
3	327	100.0	327	19	AAV64492	M. tuberculosis im
4	327	100.0	327	19	AAV44384	Mycobacterium tube
5	327	100.0	327	20	AAZ19294	M. tuberculosis an
6	327	100.0	327	20	AAZ19082	M. tuberculosis re
7	327	100.0	327	24	AAV47094	Mycobacterium tube
8	327	100.0	327	24	AAV28352	Mycobacterium spec

9	318	97.2	641	22	AAH75863	Mycobacterium tube
10	318	97.2	1616	19	AAV64507	M. tuberculosis im
11	318	97.2	1616	19	AAV44398	Mycobacterium tube
12	318	97.2	1616	20	AAZ19308	M. tuberculosis an
13	318	97.2	1616	20	AAZ19096	M. tuberculosis re
14	318	97.2	1617	24	ABS63323	M. tuberculosis CD
15	318	97.2	16885	17	AAT33535	BCG deletion regio
16	318	97.2	4403765	22	AAI99683	Mycobacterium tube
17	318	97.2	4411529	22	AAI99682	Mycobacterium tube
18	316.4	96.8	1070	20	AAV29176	M. tuberculosis re
19	316.4	96.8	1278	20	AAV29168	M. tuberculosis re
20	290	88.7	303	22	AAH80038	Regulatory polynuc
21	287.4	87.9	302	20	AAV29171	Mycobacterium tube
22	287.4	87.9	2412	20	AAZ19457	LHP polypeptide en
23	287.4	87.9	2412	20	AAZ19245	M. tuberculosis re
24	287.4	87.9	7676	19	AAV64567	M. tuberculosis fu
25	287.4	87.9	7676	19	AAV55801	Mycobacterium anti
26	287.4	87.9	7676	20	AAZ20198	Mycobacterium tube
27	287.4	87.9	7676	20	AAZ19368	M. tuberculosis fu
28	287.4	87.9	7676	20	AAZ19156	M. tuberculosis fu
29	287.4	87.9	7676	24	AAK14132	DNA encoding anti
30	286.8	87.7	3572	20	AAZ19454	M. tuberculosis an
31	286.8	87.7	3572	20	AAZ19242	M. tuberculosis re
32	286	87.5	8217	22	AAV503795	M. tuberculosis ve
33	272	83.2	396	18	AAV91526	Mycobacterium tube
34	272	83.2	396	18	AAV91460	Mycobacterium tube
35	272	83.2	396	19	AAV64509	M. tuberculosis im
36	272	83.2	396	19	AAV44400	Mycobacterium tube
37	272	83.2	396	20	AAZ19310	M. tuberculosis an
38	272	83.2	396	20	AAZ19098	M. tuberculosis re
39	272	83.2	396	18	AAV91527	Mycobacterium tube
40	272	83.2	387	18	AAV91461	Mycobacterium tube
41	46	14.1	387	19	AAV64510	M. tuberculosis im
42	46	14.1	387	19	AAV44401	Mycobacterium tube
43	46	14.1	387	20	AAZ19311	M. tuberculosis an
44	46	14.1	387	20	AAZ19099	M. tuberculosis re
45	44	13.5	327	22	AAH75860	Mycobacterium tube

ALIGNMENTS

RESULT 1						
ID	AAV91509	strand; DNA; 327 BP.				
AC	AAV91509;					
DT	08-JAN-1998	(first entry)				
DB	Mycobacterium tuberculosis antigen Tb38-1 encoding DNA.					
KW	Antigen; immunogen; vaccine; tuberculosis; non specific adjuvant;					
KW	skin testing; M.tuberculosis; ss.					
OS	Mycobacterium tuberculosis.					
XX						
FH	Key	Location/Qualifiers				
FT	CDS	12..299				
FT		/*tag= a				
PN	MO9709428-A2.	/product= Antigen_Tb38-1				
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PD	13-MAR-1997.					
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PF	30-AUG-1996;	96WO-US14674.				
XX						
PR	12-JUL-1996;	96US-0680574.				
PR	01-SEP-1995;	95US-0523436.				
PR	22-SEP-1995;	95US-0533634.				
PR	22-MAR-1996;	96US-0620874.				
PR	05-JUN-1996;	96US-0659683.				

XX (CORI-) CORIXA CORP.
XX Campos-neto A, Dillon DC, Houghton R, Reed SG, Skelky YAW;
XX Twardzik DR, Vedvick TH;
XX WPI: 1997-192903/17.
XX DR P-PSDB; AAM32444.
XX
XX New immunogenic polypeptide(s) from Mycobacterium tuberculosis - are
XX PT useful in vaccines for prevention or treatment of tuberculosis, also
XX for diagnosis
XX
XX Claim 4; Page 83-84; 168pp; English.
XX
XX A new immunogenic polypeptide has been developed comprising an
XX CC immunogenic part of a soluble Mycobacterium tuberculosis antigen (or
XX CC its variant differing only in conservative substitutions and/or
XX CC modifications). The present sequence encodes a specifically claimed
XX CC M.tuberculosis antigen, Tb38-1. The immunogenic protein, and fusion
XX CC proteins containing one or more of the proteins or one of the proteins
XX CC plus ESAT-6, are useful in vaccines, preferably when formulated with a
XX CC non-specific adjuvant, to induce an immune response against
XX CC M.tuberculosis (for treatment or prevention).
XX
XX Sequence 327 BP; 79 A; 95 C; 111 G; 42 T; 0 other;
SQ
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Best Local Similarity 100.0%; Pred. No. 6.6e-72;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX 1 CGGACGAGAGACCGATGCGCTACCTCGCGGAGAGGAGCAATTTGAGGGATCT 60
XX 1 CGGACGAGAGACCGATGCGCTACCTCGCGGAGAGGAGCAATTTGAGGGATCT 60
XX 1 CGGACGAGAGACCGATGCGCTACCTCGCGGAGAGGAGCAATTTGAGGGATCT 60
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XX 61 CGGCGACCTGAAAACCGAGATCGACGAGTGTGACCGGCAAGTTCTGTCAGGGCC 120
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XX 121 AGTGGCGCGGCGCGGAGCGCGCCCGCGGCGGCGTGTGCTTCCAAAGACAG 180
XX 121 AGTGGCGCGGCGCGGAGCGCGCCCGCGGCGGCGTGTGCTTCCAAAGACAG 180
XX 121 AGTGGCGCGGCGCGGAGCGCGCCCGCGGCGGCGTGTGCTTCCAAAGACAG 180
XX 181 CCATTAAGCAAGACGAGAACTCGACGAGATCTGACGAATATTCGACGCCGCGCTCC 240
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XX 241 AATACTGAGGGCGGAGAGAGAGAGAGCGGCTGTCTCTCGCAATGCGCTTCTGAC 300
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XX 301 CGGCTAATACGAAAAAAGAAACGAGACAA 327
XX 301 CGGCTAATACGAAAAAAGAAACGAGACAA 327
XX
XX RESULT 2
XX AAT91445
XX ID AAT91445 standard; DNA; 327 BP.
XX
XX AAT91445;
XX
XX 13-JAN-1998 (first entry)
XX
XX Mycobacterium tuberculosis antigen Tb38-1 encoding DNA.
XX
XX Antigen; immunogen; vaccine; tuberculosis; non specific adjuvant;
XX skin testing; M.tuberculosis; ss.
XX
XX Mycobacterium tuberculosis.
XX
XX Key Location/Qualifiers
XX FT CDS 12..299

FT /*tag= a
FT /product= Antigen_Tb38-1
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XX W09709429-A2.
XX
XX 13-MAR-1997.
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XX 30-AUG-1996; 96MO-US14675.
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XX 12-JUL-1996; 96US-0680573.
XX 01-SEP-1995; 95US-0523435.
XX 22-SEP-1995; 95US-0532136.
XX 22-MAR-1996; 96US-0620280.
XX 05-JUN-1996; 96US-0658800.
XX
XX (CORI-) CORIXA CORP.
XX
XX Campos-neto A, Dillon DC, Houghton R, Reed SG, Skelky YAW;
XX PT Twardzik DR, Vedvick TH;
XX WPI: 1997-192904/17.
XX DR P-PSDB; AAM32376.
XX
XX New immunogenic polypeptide(s) from soluble M. tuberculosis antigens
XX PT - useful for diagnosis of M. tuberculosis infection
XX
XX Claim 4; Page 88; 190pp; English.
XX
XX A new immunogenic polypeptide has been developed comprising an
XX CC immunogenic part of a soluble Mycobacterium tuberculosis antigen (or
XX CC its variant differing only in conservative substitutions and/or
XX CC modifications). The present sequence encodes a specifically claimed
XX CC M.tuberculosis antigen, Tb38-1. The immunogenic polypeptide can be
XX CC used to diagnose M.tuberculosis infection by forming complexes with
XX CC specific antibodies in the sample. Fragments of DNA encoding the
XX CC immunogenic polypeptide can be used as diagnostic primers or probes
XX CC and agents that bind to the antigen, especially monoclonal antibodies
XX CC or equivalent polyclonal antibodies, are also used for diagnosis.
XX
XX Sequence 327 BP; 79 A; 95 C; 111 G; 42 T; 0 other;
SQ
Query Match 100.0%; Score 327; DB 18; Length 327;
Best Local Similarity 100.0%; Pred. No. 6.6e-72;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX 1 CGGACGAGAGACCGATGCGCTACCTCGCGGAGAGGAGCAATTTGAGGGATCT 60
XX 1 CGGACGAGAGACCGATGCGCTACCTCGCGGAGAGGAGCAATTTGAGGGATCT 60
XX 1 CGGACGAGAGACCGATGCGCTACCTCGCGGAGAGGAGCAATTTGAGGGATCT 60
XX 61 CGGCGACCTGAAAACCGAGATCGACGAGTGTGACCGGCAAGTTCTGTCAGGGCC 120
XX 61 CGGCGACCTGAAAACCGAGATCGACGAGTGTGACCGGCAAGTTCTGTCAGGGCC 120
XX 61 CGGCGACCTGAAAACCGAGATCGACGAGTGTGACCGGCAAGTTCTGTCAGGGCC 120
XX 121 AGTGGCGCGGCGCGGAGCGCGCCCGCGGCGGCGTGTGCTTCCAAAGACAG 180
XX 121 AGTGGCGCGGCGCGGAGCGCGCCCGCGGCGGCGTGTGCTTCCAAAGACAG 180
XX 121 AGTGGCGCGGCGCGGAGCGCGCCCGCGGCGGCGTGTGCTTCCAAAGACAG 180
XX 181 CCATTAAGCAAGACGAGAACTCGACGAGATCTGACGAATATTCGACGCCGCGCTCC 240
XX 181 CCATTAAGCAAGACGAGAACTCGACGAGATCTGACGAATATTCGACGCCGCGCTCC 240
XX 241 AATACTGAGGGCGGAGAGAGAGAGAGCGGCTGTCTCTCGCAATGCGCTTCTGAC 300
XX 241 AATACTGAGGGCGGAGAGAGAGAGAGCGGCTGTCTCTCGCAATGCGCTTCTGAC 300
XX 241 AATACTGAGGGCGGAGAGAGAGAGAGCGGCTGTCTCTCGCAATGCGCTTCTGAC 300
XX 301 CGGCTAATACGAAAAAAGAAACGAGACAA 327
XX 301 CGGCTAATACGAAAAAAGAAACGAGACAA 327
XX
XX RESULT 3
XX AAV64492
XX ID AAV64492 standard; DNA; 327 BP.
XX

ID	AAV44384 standard; DNA; 327 BP.
AC	AAV44384;
AD	AAV44384 (first entry)
AE	09-NOV-1998
AF	Mycobacterium tuberculosis antigen Tb38-1 DNA.
AG	Tuberculosis; infection; diagnosis; antigen; Tb38-1; ss.
AH	Mycobacterium tuberculosis strain H37RV.
AI	Mycobacterium tuberculosis strain H37RV.
AJ	W09816645-A2.
AK	23-APR-1998.
AL	07-OCT-1997; 97WO-US18214.
AM	13-MAR-1997; 97US-081811.
AN	11-OCT-1996; 96US-0729622.
AO	(CORI-) CORIXA CORP.
AP	Campes-Neto A, Dillon DC, Houghton R, Lodes MJ;
AQ	Reed SG, Skeiky YAM, Twardzik DR, Vedvick TS;
AR	WPI; 1998-251292/22.
AS	P-PSDB; AAM64321.
AT	New isolated Mycobacterium tuberculosis polypeptides and DNA - used
AV	to develop products for the detection of M. tuberculosis infection
AW	and diagnosis of tuberculosis
AX	Claim 4; Page 90; 250pp; English.
AY	This DNA sequence codes for an antigenic portion of Mycobacterium
AZ	tuberculosis antigen Tb38-1 (see AAM64321). It was isolated from a
BA	M. tuberculosis strain H37RV expression library using sera from
BB	patients having pulmonary or pleural tuberculosis. The invention
BC	relates to compositions and methods for diagnosing tuberculosis.
BD	It provides polypeptides (see AAM64291-W64379) comprising an
BE	antigenic portion of a soluble M. tuberculosis antigen, or an
BF	immunogenic portion of an M. tuberculosis antigen, as well as DNA
BG	sequences encoding such polypeptides, recombinant expression
BH	vectors and transformed or transfected host cells. Also claimed
BI	are methods and diagnostic kits for detecting M. tuberculosis
BJ	infection in a patient using these polypeptides, antibodies or
BK	oligonucleotide probes and primers, for the diagnosis of
BL	tuberculosis.
BM	Sequence 327 BP; 79 A; 95 C; 111 G; 42 T; 0 other;
BN	Query Match 100.0%; Score 327; DB 19; Length 327;
BO	Best Local Similarity 100.0%; Pred. No. 6, 6e-72;
BP	Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
BQ	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
BR	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
BS	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
BT	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
BU	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
BV	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
BW	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
BX	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
BY	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
BZ	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CA	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CB	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CC	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CD	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CE	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CF	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CG	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CH	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CI	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CJ	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CK	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CL	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CM	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CN	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CO	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CP	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CQ	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CR	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CS	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CT	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CU	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CV	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CW	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CX	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CY	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
CZ	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DA	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DB	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DC	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DD	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DE	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DF	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DG	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DH	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DI	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DJ	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DK	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DL	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DM	1 CGGACAGGAGACCGATGCGCTTACCTCGGCGAGGAGGACGATTAATTTTCAGCGGATCT
DN	

Db 61 CCGGCGACCTGTAACCAACAGATCGAGTGTGACGCGAGGTTCTGTGACGGGCC 120
 QY 121 AGTGGCGGCGCGCGCGGAGCGCGCCGACGCGCGGCGTGTGCTTCCAGAGACAG 180
 Db 121 AGTGGCGGCGCGCGCGGAGCGCGCCGACGCGCGGCGTGTGCTTCCAGAGACAG 180
 QY 181 CCAATTAAGCAGAGACGAGAACTCGACGATCTCGACGAAATATTGTCAGGCCGCGCTCC 240
 Db 181 CCAATTAAGCAGAGACGAGAACTCGACGATCTCGACGAAATATTGTCAGGCCGCGCTCC 240
 QY 241 AATATCTGAGGCGCGGACGAGACGAGCGGCGCTCTCTCGCAATATGGGCTTCTGAC 300
 Db 241 AATATCTGAGGCGCGGACGAGACGAGCGGCGCTCTCTCGCAATATGGGCTTCTGAC 300
 QY 301 CCGCTAATACGAAAGAAACGAGACAA 327
 Db 301 CCGCTAATACGAAAGAAACGAGACAA 327

RESULT 7

AAD47094
 ID AAD47094 standard; DNA; 327 BP.

AC AAD47094;
 DT 27-JAN-2003 (first entry)

DE Mycobacterium tuberculosis Tb38-1 antigen encoding DNA.

KM Vaccine; immunity; diagnostic agent; gene therapy; Tb38-1 antigen;
 KM MTB11; gene; ds.

OS Mycobacterium tuberculosis.

FH Key Location/Qualifiers
 FT CDS 12..299

FT /product= "Tb38-1 antigenic protein"
 FT /note= "CDS does not include start codon"
 FT /partial

XX MO200272792-A2.

XX 19-SEP-2002.

XX 13-MAR-2002; 2002WO-US08223.

XX 13-MAR-2001; 2001US-275837P.

XX (CORI-) CORIXA CORP.

XX Skeiky Y, Brannon M, Guderian J;

XX WPI; 2002-759844/82.

XX P-PSDB; AAE29717.

PT New recombinant nucleic acid molecule comprising a Leishmania TSA,
 PT Leif, M15 or 6H polynucleotide, useful as vaccine to elicit protective
 PT immunity against pathogenic microorganisms e.g. Leishmania and
 PT Mycobacterium tuberculosis

XX Disclosure; Page 106-107; 155pp; English.

CC The invention relates to a recombinant nucleic acid molecule encoding a
 CC fusion polypeptide. The recombinant nucleic acid comprises a heterologous
 CC polynucleotide sequence encoding an antigen or an antigenic fragment from
 CC Mycobacterium sp. and a Leishmania polynucleotide sequence encoding a
 CC polypeptide or its fragment. The Leishmania polynucleotide is selected
 CC from TSA, Leif, M15, and 6H polynucleotides. Sequences of the invention
 CC are used in methods for eliciting immune response in mammals. They are
 CC useful as vaccines to elicit protective immunity against pathogenic
 CC microorganisms such as Leishmania and Mycobacterium tuberculosis. Fusion
 CC polypeptides are used for enhancing the expression of polynucleotides,

CC as in vivo diagnostic agents and for raising antibodies in a non-human
 CC animal. The invention is used in gene therapy. The present sequence is
 CC M. tuberculosis Tb38-1 antigen encoding DNA. Tb38-1 is also referred to
 CC as MTB11 or 38-1.

XX Sequence 327 BP; 79 A; 95 C; 111 G; 42 T; 0 other;

Query Match 100.0%; Score 327; DB 24; Length 327;
 Best Local Similarity 100.0%; Pred. No. 6.6e-72;
 Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCGGCGACGAGACCGGATCCGCTACCTCGCGCAGAGAGCGAGTAAATTTGAGGGATCT 60
 Db 1 CCGGCGACGAGACCGGATCCGCTACCTCGCGCAGAGAGCGAGTAAATTTGAGGGATCT 60

QY 61 CCGGCGACCTGTAACCAACAGATCGAGTGTGACGCGAGGTTCTGTGACGGGCC 120
 Db 61 CCGGCGACCTGTAACCAACAGATCGAGTGTGACGCGAGGTTCTGTGACGGGCC 120

QY 121 AGTGGCGGCGCGCGGAGCGCGCCGACGCGCGGCGTGTGCTTCCAGAGACAG 180
 Db 121 AGTGGCGGCGCGCGGAGCGCGCCGACGCGCGGCGTGTGCTTCCAGAGACAG 180

QY 181 CCAATTAAGCAGAGACGAGAACTCGACGATCTCGACGAAATATTGTCAGGCCGCGCTCC 240
 Db 181 CCAATTAAGCAGAGACGAGAACTCGACGATCTCGACGAAATATTGTCAGGCCGCGCTCC 240

QY 241 AATATCTGAGGCGCGGACGAGACGAGCGGCGCTCTCTCGCAATATGGGCTTCTGAC 300
 Db 241 AATATCTGAGGCGCGGACGAGACGAGCGGCGCTCTCTCGCAATATGGGCTTCTGAC 300

QY 301 CCGCTAATACGAAAGAAACGAGACAA 327
 Db 301 CCGCTAATACGAAAGAAACGAGACAA 327

RESULT 8

AAD28352
 ID AAD28352 standard; DNA; 327 BP.

XX AAD28352;

XX 22-APR-2002 (first entry)

DE Mycobacterium species Tb38-1 (Mtb11; 38-1) DNA.

KM Fusion protein; antigen; serological sensitivity; immune response;
 KM tuberculosis; infection; vaccine; Tb38-1; Mtb11; 38-1; ds.

OS Mycobacterium sp.

FH Key Location/Qualifiers
 FT CDS 12..299

FT /product= "Tb38-1 protein"
 FT /note= "CDS does not include start codon"
 FT /partial

XX MO200198460-A2.

XX 27-DEC-2001.

XX 20-JUN-2001; 2001WO-US19959.

XX 20-JUN-2000; 2000US-0597796.

XX 01-FEB-2001; 2001US-265737P.

XX (CORI-) CORIXA CORP.

XX Skeiky Y, Reed S, Alderson M;

XX WPI; 2002-147798/19.
 DR P-PSDB; AAE17581.

XX Composition comprising MTB39 antigen and MTB32A antigen from
PT Mycobacterium species, useful for eliciting immune response in a
PT subject -

PS Disclosure: Page 123, 136pp; English.

XX The present invention relates to fusion proteins containing at least
CC two Mycobacterium species antigens, nucleotides encoding them and
CC compositions comprising such fusion proteins. The present invention
CC particularly relates to nucleic acids encoding fusion proteins that
CC include two or more individual M. tuberculosis antigens which increase
CC the serological sensitivity of sera from individuals infected with
CC tuberculosis and methods for their use in diagnosis, prevention and
CC treatment of tuberculosis infection. Sequences of the invention are
CC useful for eliciting an immune response in a mammal, e.g., human,
CC immunised with BCG. They are useful in the diagnosis, treatment and
CC prevention of Mycobacterium infection. The fusion proteins and the
CC polynucleotides are useful as diagnostic tools in patients infected
CC with Mycobacterium, in vitro and in vivo assays for detecting humoral
CC antibodies or cell-mediated immunity against M. tuberculosis, for the
CC diagnosis of an infection or monitoring of disease progression, as
CC immunogens to generate or elicit a protective immune response in a
CC patient and for raising anti-M. tuberculosis antibodies in a non-human
CC animal. Sequences of the invention are also used as vaccines. MTB32A
CC fusion proteins of the invention are useful as in vivo diagnostic agents
CC for intradermal skin test. The present sequence is a DNA encoding
CC Mycobacterium species Tb38-1 (Mtbt11, 38-1) protein.

XX Sequence 327 BP, 79 A, 95 C, 111 G, 42 T, 0 other;

Query Match 100.0%; Score 327; DB 24; Length 327;

Best Local Similarity 100.0%; Pred. No. 6.6e-72;

Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGCACGAGAGACCGATGCGCTTACCTTCCGACGAGGACGATTAATTCAGCGGATCT 60
DB 1 CGGCACGAGAGACCGATGCGCTTACCTTCCGACGAGGACGATTAATTCAGCGGATCT 60
QY 61 CGGCACGAGAGACCGATGCGCTTACCTTCCGACGAGGACGATTAATTCAGCGGATCT 120
DB 61 CGGCACGAGAGACCGATGCGCTTACCTTCCGACGAGGACGATTAATTCAGCGGATCT 120
QY 121 AGTGGCGGCG 180
DB 121 AGTGGCGGCG 180
QY 181 CCAATTAACGAG 240
DB 181 CCAATTAACGAG 240
QY 241 AATATCTCGAGGCG 300
DB 241 AATATCTCGAGGCG 300
QY 301 CCGCTAATACGAG 327
DB 301 CCGCTAATACGAG 327

RESULT 9

AAH75863

ID AAH75863 standard; DNA; 641 BP.

XX AAH75863;

XX 26-OCT-2001 (first entry)

DE Mycobacterium tuberculosis gene fragment #4.

XX Mycobacterium tuberculosis detection; ds.

OS Mycobacterium tuberculosis.

XX RU2163638-C1.

XX 27-FEB-2001.

XX 06-DEC-1999; 99RU-0125164.

XX 06-DEC-1999; 99RU-0125164.

XX (ASIB=) AS SIBE BIOCHEM RES INST.

XX Beklemishev AB, Khorocheva EM, Nomokonova Yu N;

XX WPI, 2001-280317/29.

PT Detection of DNA from tuberculosis mycobacterium complex comprising a
PT polymerase chain reaction method -

PS Disclosure: Columns 19-22, 13pp; Russian.

CC The present invention relates to a PCR-based method for the detection of
CC Mycobacterium tuberculosis. The present sequence was used to illustrate
CC the method of the present invention.

XX Sequence 641 BP, 163 A, 178 C, 209 G, 91 T, 0 other;

Query Match 97.2%; Score 318; DB 22; Length 641;

Best Local Similarity 100.0%; Pred. No. 1.2e-69;

Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 AGACCGATGCGCTTACCTTCCGACGAGGACGATTAATTCAGCGGATCTCCGCGAC 69
DB 109 AGACCGATGCGCTTACCTTCCGACGAGGACGATTAATTCAGCGGATCTCCGCGAC 168
QY 70 TGAATACCGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 129
DB 169 TGAATACCGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 228
QY 130 GCGCGCGGCGGCG 189
DB 229 GCGCGCGGCGGCG 288
QY 190 AGAAGCAG 249
DB 289 AGAAGCAG 348
QY 250 GCGCGCGAG 309
DB 349 GCGCGCGAG 408
QY 310 CGAATAAG 327
DB 409 CGAATAAG 426

RESULT 10

AAV64507

ID AAV64507 standard; DNA; 1616 BP.

XX AAV64507;

XX 27-JAN-1999 (first entry)

DE M. tuberculosis immunogenic polypeptide Tb38-1P2 IN DNA.

XX Tuberculosis; immunogenic; soluble; antigen; protective immunity; TB;

XX vaccine; pharmaceutical; infection; diagnosis; ss.

OS Mycobacterium tuberculosis.

XX WO9816646-A2.

XX 23-APR-1998.

DT 05-NOV-1999 (first entry)
 XX M. tuberculosis antigen Tb38-1P2 IN DNA sequence.
 XX
 DE Mycobacterium tuberculosis; M. tuberculosis; antigen; immunogen;
 XX immunotherapy; diagnosis; immunisation; vaccine; infection;
 XX immune response; skin test; ss.
 XX
 OS Mycobacterium tuberculosis.
 XX
 PN W09942076-A2.
 XX
 PD 26-AUG-1999.
 XX
 PF 17-FEB-1999; 99WO-US03268.
 XX
 PR 05-MAY-1998; 98US-0072967.
 PR 18-FEB-1998; 98US-0025197.
 XX
 PA (CORI-) CORIXA CORP.
 PI Campos-Neto A, Dillon DC, Hendrickson RC, Houghton R;
 PI Lodes MJ, Reed SG, Skeiky YAM, Twardzik DR, Vedvick TS;
 DR WPI; 1999-527409/44.
 XX
 PT New antigens from Mycobacterium tuberculosis useful in diagnostic
 PT skin tests and protective or therapeutic vaccines or compositions
 XX
 PS Example 3; Page 130-131; 299pp; English.
 XX
 CC The present invention describes polypeptides comprising an immunogenic
 CC part of a Mycobacterium tuberculosis antigen (Ag). Also described
 CC are vaccines and fusion protein containing M. tuberculosis Ag's.
 CC M. tuberculosis Ag's, DNAs encoding them, derived fusion proteins and
 CC other polypeptides fragments, can be used in pharmaceutical compositions
 CC or vaccines to generate a protective or therapeutic immune response to
 CC M. tuberculosis and as reagents in skin tests for diagnosis of
 CC tuberculosis. Ag can induce proliferation of, or cytokine secretion
 CC by, T, B or natural killer cells and/or macrophages in
 CC tuberculosis-immune subjects. AA219249 to AA219460 and AA239083 to
 CC AA239225 are used in the exemplification of the present invention.
 XX
 SQ Sequence 1616 BP; 331 A; 501 C; 550 G; 234 T; 0 other;

Query Match 97.2%; Score 318; DB 20; Length 1616;
 Best Local Similarity 100.0%; Pred. No. 1.4e-69;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 AGACCGATGCCGCTACCTCCGCGAGAGGAGGAGGAGTAAATTCGAGCGGATCTCCGCGAC 69
 DB 1232 AGACCGATGCCGCTACCTCCGCGAGAGGAGGAGGAGTAAATTCGAGCGGATCTCCGCGAC 1291
 QY 70 TGAATAACCCAGATGACGAGGTGAGTGCAGCGGAGTTGTTGACGCGCCAGTGGCGG 129
 DB 1292 TGAATAACCCAGATGACGAGGTGAGTGCAGCGGAGTTGTTGACGCGCCAGTGGCGG 1351
 QY 130 GCGCGCGGGAGAGCGCGCCGCGAGGCGCGGTGTGCTTCCAAAGAGAGCAATTAAGC 189
 DB 1352 GCGCGCGGGAGAGCGCGCCGCGAGGCGCGGTGTGCTTCCAAAGAGAGCAATTAAGC 1411
 QY 190 AGAAGCAGAACTCGACGAGATCTGACGAGATATTCGTGACGCGCGGCTCCAAATCTGCA 249
 DB 1412 AGAAGCAGAACTCGACGAGATCTGACGAGATATTCGTGACGCGCGGCTCCAAATCTGCA 1471
 QY 250 GGGCGGACGAGAGAGCAGCAGAGCGGTGTCTCTCGCAATGGGCTTCTGACCGCGTAATA 309
 DB 1472 GGGCGGACGAGAGAGCAGCAGAGCGGTGTCTCTCGCAATGGGCTTCTGACCGCGTAATA 1531
 QY 310 CGAAAAAGAAACGGAGCAA 327
 DB 1532 CGAAAAAGAAACGGAGCAA 1549

RESULT 13
 AA219096
 ID AA219096 standard; DNA; 1616 BP.
 XX
 AC AA219096;
 XX
 DT 05-NOV-1999 (first entry)
 XX
 DE M. tuberculosis recombinant antigen DNA encoding Tb38-1P2 IN.
 XX
 KM Antigen; diagnosis; detection; infection; antibody; immunisation;
 KM vaccine; immunity; ss.
 XX
 OS Mycobacterium tuberculosis.
 XX
 PN W09942118-A2.
 XX
 PD 26-AUG-1999.
 XX
 PF 17-FEB-1999; 99WO-US03265.
 XX
 PR 05-MAY-1998; 98US-0072596.
 PR 18-FEB-1998; 98US-0024753.
 XX
 PA (CORI-) CORIXA CORP.
 PI Campos-Neto A, Dillon DC, Hendrickson RC, Houghton R;
 PI Lodes MJ, Reed SG, Skeiky YAM, Twardzik DR, Vedvick TS;
 DR WPI; 1999-527416/44.
 XX
 PT New polypeptide comprising antigenic portions of M. tuberculosis
 PT
 XX
 PS Example 3; Page 176-177; 323pp; English.
 XX
 CC This invention describes novel recombinant antigens and their encoding
 CC nucleic acids derived from Mycobacterium tuberculosis. The novel
 CC polypeptides are useful for detecting M. tuberculosis infection in a
 CC biological sample by detecting antibodies which bind with the
 CC polypeptides, and are useful as vaccines for immunizing against
 CC M. tuberculosis infection. The new detection methods are needed as
 CC current vaccination strategies do not provide 100% immunity.
 XX
 SQ Sequence 1616 BP; 331 A; 501 C; 550 G; 234 T; 0 other;

Query Match 97.2%; Score 318; DB 20; Length 1616;
 Best Local Similarity 100.0%; Pred. No. 1.4e-69;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 AGACCGATGCCGCTACCTCCGCGAGAGGAGGAGGAGTAAATTCGAGCGGATCTCCGCGAC 69
 DB 1232 AGACCGATGCCGCTACCTCCGCGAGAGGAGGAGGAGTAAATTCGAGCGGATCTCCGCGAC 1291
 QY 70 TGAATAACCCAGATGACGAGGTGAGTGCAGCGGAGTTGTTGACGCGCCAGTGGCGG 129
 DB 1292 TGAATAACCCAGATGACGAGGTGAGTGCAGCGGAGTTGTTGACGCGCCAGTGGCGG 1351
 QY 130 GCGCGCGGGAGAGCGCGCCGCGAGGCGCGGTGTGCTTCCAAAGAGAGCAATTAAGC 189
 DB 1352 GCGCGCGGGAGAGCGCGCCGCGAGGCGCGGTGTGCTTCCAAAGAGAGCAATTAAGC 1411
 QY 190 AGAAGCAGAACTCGACGAGATCTGACGAGATATTCGTGACGCGCGGCTCCAAATCTGCA 249
 DB 1412 AGAAGCAGAACTCGACGAGATCTGACGAGATATTCGTGACGCGCGGCTCCAAATCTGCA 1471
 QY 250 GGGCGGACGAGAGAGCAGCAGAGCGGTGTCTCTCGCAATGGGCTTCTGACCGCGTAATA 309
 DB 1472 GGGCGGACGAGAGAGCAGCAGAGCGGTGTCTCTCGCAATGGGCTTCTGACCGCGTAATA 1531
 QY 310 CGAAAAAGAAACGGAGCAA 327
 DB 1532 CGAAAAAGAAACGGAGCAA 1549

CC the deletion. Deletion polypeptides are used as components of
CC immunological assays and in vaccines.

XX
SQ Sequence 16885 BP; 3050 A; 5603 C; 5307 G; 2915 T; 10 other;

Query Match 97.2%; Score 318; DB 17; Length 16885;

Best Local Similarity 100.0%; Pred. No. 2e-69;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 10 AGACCGATGCGCTACCTCCGCGCAGGAGGACGATTAATTGAGCGGATCTCCGCGACC 69
   |||
Db 4352 AGACCGATGCGCTACCTCCGCGCAGGAGGACGATTAATTGAGCGGATCTCCGCGACC 4411
   |||
QY 70 TGAATACCCAGATGACGAGGTGAGTGCAGCGCAGTTGTTGCAAGGCGCAGTGGCGG 129
   |||
Db 4412 TGAATACCCAGATGACGAGGTGAGTGCAGCGCAGTTGTTGCAAGGCGCAGTGGCGG 4471
   |||
QY 130 GCGCGCGCGGAGCGGCGCGCCAGGCGCGGTGTCGCTTCCAGAGAGCAATTAAGC 189
   |||
Db 4472 GCGCGCGCGGAGCGGCGCGCCAGGCGCGGTGTCGCTTCCAGAGAGCAATTAAGC 4531
   |||
QY 190 AGAAGCAGAACTCGACGAGATCTGAGCAATATTCGTCAGGCGCGCTCCAAATCTGA 249
   |||
Db 4532 AGAAGCAGAACTCGACGAGATCTGAGCAATATTCGTCAGGCGCGCTCCAAATCTGA 4591
   |||
QY 250 GGGCCGACGAGGAGCAGCAGCGCTGTCTTCCAAATGGGCTTGTACCCGCTAATA 309
   |||
Db 4592 GGGCCGACGAGGAGCAGCAGCGCTGTCTTCCAAATGGGCTTGTACCCGCTAATA 4651
   |||
QY 310 CGAAAAAGAACGAGCAA 327
   |||
Db 4652 CGAAAAAGAACGAGCAA 4669
   |||
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Search completed: January 15, 2004, 06:46:58
Job time : 264 secs

16	287.4	87.9	7676	13	US-10-193-002-208	Sequence 208, App
17	287.4	87.9	7676	13	US-10-359-460-9	Sequence 9, Appli
18	287	87.8	300	10	US-09-894-844-4	Sequence 4, Appli
19	286.8	87.7	3572	13	US-10-084-843-342	Sequence 342, App
20	286.8	87.7	3572	13	US-10-193-002-337	Sequence 337, App
21	285.4	87.3	855	15	US-10-140-045-36	Sequence 36, Appl
22	272	83.2	396	13	US-10-084-843-116	Sequence 116, App
23	272	83.2	396	13	US-10-193-002-111	Sequence 111, App
24	46	14.1	387	13	US-10-084-843-118	Sequence 118, App
25	46	14.1	387	13	US-10-193-002-113	Sequence 113, App
26	44.2	13.5	3471	15	US-10-156-761-2726	Sequence 2726, Ap
27	44.2	13.5	9025608	15	US-10-156-761-1	Sequence 1, Appli
28	42.6	13.0	3897	15	US-10-156-761-4899	Sequence 4899, Ap
29	42.4	13.0	603	13	US-10-029-368-20492	Sequence 20492, Ap
30	42.4	13.0	4139	12	US-10-439-388-24	Sequence 24, Appl
31	40.2	12.3	6442	10	US-09-950-335A-11	Sequence 11, Appl
32	39.8	12.2	1188	15	US-10-156-761-2339	Sequence 2339, Ap
33	39.8	12.2	3882	12	US-10-084-846A-19	Sequence 49, Appl
34	39.8	12.2	59816	12	US-10-084-846A-1	Sequence 1, Appli
35	39.8	12.2	59816	12	US-10-084-846A-2	Sequence 2, Appli
36	39.8	12.1	9025608	15	US-10-156-761-1	Sequence 1, Appli
37	39.6	12.1	75216	16	US-10-080-170-646	Sequence 646, App
38	39.6	12.1	154766	13	US-09-827-688-8	Sequence 8, Appli
39	39.4	11.7	2076	13	US-10-369-493-44211	Sequence 44211, A
40	38.4	11.7	2529	15	US-10-156-761-6449	Sequence 6449, Ap
41	38	11.6	849	15	US-10-156-761-470	Sequence 470, App
42	38	11.6	921	15	US-10-156-761-1518	Sequence 1518, Ap
43	37.8	11.6	1170	12	US-10-369-493-44371	Sequence 44371, A
44	37.8	11.6	1170	15	US-10-156-761-7336	Sequence 7336, Ap
45	37.8	11.6	2040	12	US-10-369-493-41606	Sequence 41606, A

ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.

REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 327 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 46:
US-10-084-843-46

Query Match 100.0%; Score 327; DB 13; Length 327;
Best Local Similarity 100.0%; Pred. No. 2.5e-88;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 CGGACGAGAGACCGATGCGCTACCTCGCGCAGAGGCGATTAATTTGAGGGGATCT 60
1 CGGACGAGAGACCGATGCGCTACCTCGCGCAGAGGCGATTAATTTGAGGGGATCT 60
Qy 61 CCGGCGACCTGAAAACCCAGATCGACGAGTGAGTCAAGGCGGCTTCTGAGGGCC 120
61 CCGGCGACCTGAAAACCCAGATCGACGAGTGAGTCAAGGCGGCTTCTGAGGGCC 120
Db 121 AGTGGCGGCGCGCGGCGGAGACGCGCCCGCGCGGCGGCTTCTGAGGGCC 180
121 AGTGGCGGCGCGCGGCGGAGACGCGCCCGCGCGGCGGCTTCTGAGGGCC 180
Qy 181 CCAATAGCAG 240
181 CCAATAGCAG 240
Db 181 CCAATAGCAG 240
181 CCAATAGCAG 240
Qy 241 AATATCTGAGGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
241 AATATCTGAGGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
Db 241 AATATCTGAGGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
241 AATATCTGAGGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
Qy 301 CCGCTAATACGAAAAGAAAGAGAGCAA 327
301 CCGCTAATACGAAAAGAAAGAGAGCAA 327
Db 301 CCGCTAATACGAAAAGAAAGAGAGCAA 327

RESULT 2
US-10-193-002-46
Sequence 46, Application US/10193002
Publication No. US20030135026A1
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, David C.
Campos-Nieto, Antonia
Houghton, Raymond
Vedick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/193,002
FILING DATE: 10-Jul-2002
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 327 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 46:
US-10-193-002-46

Query Match 100.0%; Score 327; DB 13; Length 327;
Best Local Similarity 100.0%; Pred. No. 2.5e-88;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 CGGACGAGAGACCGATGCGCTACCTCGCGCAGAGGCGATTAATTTGAGGGGATCT 60
1 CGGACGAGAGACCGATGCGCTACCTCGCGCAGAGGCGATTAATTTGAGGGGATCT 60
Qy 61 CCGGCGACCTGAAAACCCAGATCGACGAGTGAGTCAAGGCGGCTTCTGAGGGCC 120
61 CCGGCGACCTGAAAACCCAGATCGACGAGTGAGTCAAGGCGGCTTCTGAGGGCC 120
Db 61 CCGGCGACCTGAAAACCCAGATCGACGAGTGAGTCAAGGCGGCTTCTGAGGGCC 120
61 CCGGCGACCTGAAAACCCAGATCGACGAGTGAGTCAAGGCGGCTTCTGAGGGCC 120
Qy 121 AGTGGCGGCGCGGCGGAGACGCGCCCGCGCGGCGGCTTCTGAGGGCC 180
121 AGTGGCGGCGCGGCGGAGACGCGCCCGCGCGGCGGCTTCTGAGGGCC 180
Db 121 AGTGGCGGCGCGGCGGAGACGCGCCCGCGCGGCGGCTTCTGAGGGCC 180
121 AGTGGCGGCGCGGCGGAGACGCGCCCGCGCGGCGGCTTCTGAGGGCC 180
Qy 181 CCAATAGCAG 240
181 CCAATAGCAG 240
Db 181 CCAATAGCAG 240
181 CCAATAGCAG 240
Qy 241 AATATCTGAGGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
241 AATATCTGAGGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
Db 241 AATATCTGAGGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
241 AATATCTGAGGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
Qy 301 CCGCTAATACGAAAAGAAAGAGAGCAA 327
301 CCGCTAATACGAAAAGAAAGAGAGCAA 327
Db 301 CCGCTAATACGAAAAGAAAGAGAGCAA 327

RESULT 3
US-10-098-732A-34
Sequence 34, Application US/10098732A
Publication No. US20030175294A1
GENERAL INFORMATION:
APPLICANT: Skeiky, Yasir
Brannon, Mark
APPLICANT: Gudarian, Jeffrey
APPLICANT: Corixa Corporation
TITLE OF INVENTION: Heterologous Fusion Protein Constructs Comprising a
FILE REFERENCE: 014058-012010US
CURRENT APPLICATION NUMBER: US/10/098,732A
PRIOR FILING DATE: 2003-04-29
PRIOR APPLICATION NUMBER: US 60/275,837
NUMBER OF SEQ ID NOS: 80
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 34
LENGTH: 327
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis

FEATURE:
OTHER INFORMATION: TB38-1 or 38-1 (MTB11)
US-10-084-732A-34

Query Match 100.0%; Score 327; DB 13; Length 327;
Best Local Similarity 100.0%; Pred. No. 2.5e-88;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGAGAGACGATGCGCTACCTCGCGGAGAGGAGGATTAATTTTCGAGCGGATCT 60
DB 1 CGGACGAGAGACGATGCGCTACCTCGCGGAGAGGAGGATTAATTTTCGAGCGGATCT 60
QY 61 CGGCGACCTGAAAAACCGATGACGAGGTGAGTGCAGCGGAGGCTTTCGAGCGGCTC 120
DB 61 CGGCGACCTGAAAAACCGATGACGAGGTGAGTGCAGCGGAGGCTTTCGAGCGGCTC 120
QY 121 AGTGGCG 180
DB 121 AGTGGCG 180
QY 181 CCAATAAGCAGAGACGAGAACTCGACGAGATCTGCAAGATATTCGTCAGGCGCGGCTCC 240
DB 181 CCAATAAGCAGAGACGAGAACTCGACGAGATCTGCAAGATATTCGTCAGGCGCGGCTCC 240
QY 241 AATACTGAGGCGCGAG 300
DB 241 AATACTGAGGCGCGAG 300
QY 301 CCGCTAATACGAAAAAGAAACGAGCAA 327
DB 301 CCGCTAATACGAAAAAGAAACGAGCAA 327

RESULT 4
US-10-084-843-112

Sequence 112, Application US/10084843
Publication No. US20030143243A1

GENERAL INFORMATION:
APPLICANT: Reed, Steven G.

Skelky, Yasir A.W.
Dillon, Davin C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS

NUMBER OF SEQUENCES: 355

CORRESPONDENCE ADDRESS:
ADDRESS: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA

ZIP: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/084,843

FILING DATE: 25-Feb-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,967

FILING DATE: 05-MAY-1998

ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.

REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9

TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 112:
SEQUENCE CHARACTERISTICS:
LENGTH: 1616 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 112:
US-10-084-843-112

Query Match 97.2%; Score 318; DB 13; Length 1616;
Best Local Similarity 100.0%; Pred. No. 1.5e-85;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 AGACCAATGCGCTACCTCGCGGAGAGGAGGAGGATTAATTTTCGAGCGGATCTCCGCGAC 69
DB 1232 AGACCAATGCGCTACCTCGCGGAGAGGAGGAGGATTAATTTTCGAGCGGATCTCCGCGAC 1291
QY 70 TGAATAACCGATGACGAGGTGAGTGCAGCGGAGGCTTTCGAGCGGCTTTCGAGCGGCTC 129
DB 1292 TGAATAACCGATGACGAGGTGAGTGCAGCGGAGGCTTTCGAGCGGCTTTCGAGCGGCTC 1291
QY 130 GCGCGGCGGAGAGCG 189
DB 1352 GCGCGGCGGAGAGCG 1411
QY 190 AGAAGCAGAGAACTCGACGAGATCTCGACGAAATTTGTCTCAGGCGCGGCTTTCGATCTCGA 249
DB 1412 AGAAGCAGAGAACTCGACGAGATCTCGACGAAATTTGTCTCAGGCGCGGCTTTCGATCTCGA 1471
QY 250 GGGCGGAG 309
DB 1472 GGGCGGAG 1531
QY 310 CGAAAGAAACGAGAGCAA 327
DB 1532 CGAAAGAAACGAGAGCAA 1549

RESULT 5
US-10-193-002-107

Sequence 107, Application US/10193002
Publication No. US20030135026A1

GENERAL INFORMATION:
APPLICANT: Reed, Steven G.

Skelky, Yasir A.W.
Dillon, Davin C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS

NUMBER OF SEQUENCES: 350

CORRESPONDENCE ADDRESS:
ADDRESS: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA

ZIP: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/193,002

FILING DATE: 10-Jul-2002

CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/072,596
 FILING DATE: 05-MAY-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Maki, David J.
 REGISTRATION NUMBER: 31,392
 REFERENCE/DOCKET NUMBER: 210121.417C9
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 107:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1616 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 SEQUENCE DESCRIPTION: SEQ ID NO: 107:
 US-10-193-002-107

Query Match 97.2%; Score 318; DB 13; Length 1616;
 Best Local Similarity 100.0%; Pred. No. 1.5e-85;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Db 10 AGACCGATGCCGCTACCTCCGCGAGAGCAGGTAATTTGAGCGGATCTCCGCGACC 69
 1232 AGACCGATGCCGCTACCTCCGCGAGAGCAGGTAATTTGAGCGGATCTCCGCGACC 1291
 Qy 70 TGAATCCAGATCGACGAGTGAAGTGCAGCGGAGTTCTTGACGGGCGCATGGCGCG 129
 Db 1292 TGAATCCAGATCGACGAGTGAAGTGCAGCGGAGTTCTTGACGGGCGCATGGCGCG 1351
 Qy 130 GCGGGGGGGGAGCG 189
 Db 1352 GCGGGGGGGGAGCG 1411
 Qy 190 AGAAGCAGAACTCGACGAGATCTCGAAGATATTCGACGGCGCGCTCCAAATACTGA 249
 Db 1412 AGAAGCAGAACTCGACGAGATCTCGAAGATATTCGACGGCGCGCTCCAAATACTGA 1471
 Qy 250 GGGCGGAGAGAGCAGAGCAGAGCGCGCTGCTCGCAATGGGCTTGTGACCGCGTAATA 309
 Db 1472 GGGCGGAGAGAGCAGAGCAGAGCGCGCTGCTCGCAATGGGCTTGTGACCGCGTAATA 1531
 Qy 310 CGAAAGAAACGAGCA 327
 Db 1532 CGAAAGAAACGAGCA 1549

RESULT 6
 US-09-023-588-67
 Sequence 67, Application US/09023588
 Patent No. US20020081579A1
 GENERAL INFORMATION:
 APPLICANT: Skelky, Yasir A.W.
 APPLICANT: Dillon, David C.
 APPLICANT: Alderson, Mark R.
 TITLE OF INVENTION: METHOD FOR THE ISOLATION OF NOVEL ANTIGENS
 NUMBER OF SEQUENCES: 69
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SEED AND BERRY LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: USA
 ZIP: 98104
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/023,588

FILING DATE: 14-FEB-1998
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Maki, David J.
 REGISTRATION NUMBER: 31,392
 REFERENCE/DOCKET NUMBER: 210121.445
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 67:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1617 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ORIGINAL SOURCE:
 ORGANISM: Mycobacterium tuberculosis
 US-09-023-588-67

Query Match 97.2%; Score 318; DB 9; Length 1617;
 Best Local Similarity 100.0%; Pred. No. 1.5e-85;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Db 10 AGACCGATGCCGCTACCTCCGCGAGAGCAGGTAATTTGAGCGGATCTCCGCGACC 69
 1232 AGACCGATGCCGCTACCTCCGCGAGAGCAGGTAATTTGAGCGGATCTCCGCGACC 1292
 Qy 70 TGAATCCAGATCGACGAGTGAAGTGCAGCGGAGTTCTTGACGGGCGCATGGCGCG 129
 Db 1292 TGAATCCAGATCGACGAGTGAAGTGCAGCGGAGTTCTTGACGGGCGCATGGCGCG 1352
 Qy 130 GCGGGGGGGGAGCG 189
 Db 1353 GCGGGGGGGGAGCG 1412
 Qy 190 AGAAGCAGAACTCGACGAGATCTCGAAGATATTCGACGGCGCGCTCCAAATACTGA 249
 Db 1413 AGAAGCAGAACTCGACGAGATCTCGAAGATATTCGACGGCGCGCTCCAAATACTGA 1472
 Qy 250 GGGCGGAGAGAGCAGAGCAGAGCGCGCTGCTCGCAATGGGCTTGTGACCGCGTAATA 309
 Db 1473 GGGCGGAGAGAGCAGAGCAGAGCGCGCTGCTCGCAATGGGCTTGTGACCGCGTAATA 1532
 Qy 310 CGAAAGAAACGAGCA 327
 Db 1533 CGAAAGAAACGAGCA 1550

RESULT 7
 US-10-351-452-1
 Sequence 1, Application US/10351452
 Publication No. US20040001866A1
 GENERAL INFORMATION:
 APPLICANT: Albert Einstein College of Medicine of Yeshiva University
 APPLICANT: Jacobs, Jr., William R.
 APPLICANT: Heu, Tsungda
 APPLICANT: Bardarov, Steyan
 APPLICANT: Sambandamurthy, Vasan
 TITLE OF INVENTION: ATTENUATED MYCOBACTERIUM TUBERCULOSIS VACCINES
 FILE REFERENCE: 96700/794
 CURRENT APPLICATION NUMBER: US/10/351,452
 CURRENT FILING DATE: 2003-01-24
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: Patentin version 3.2
 SEQ ID NO 1
 LENGTH: 9454
 TYPE: DNA
 ORGANISM: Mycobacterium tuberculosis
 US-10-351-452-1
 Query Match 97.2%; Score 318; DB 12; Length 9454;
 Best Local Similarity 100.0%; Pred. No. 1.8e-85;

Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 AGACCGATGCGCTACCTCGCGCAGAGGAGGAGTAAATTCGAGCGATCTCGCGGACC 69
DB 2022 AGACCGATGCGCTACCTCGCGCAGAGGAGGAGTAAATTCGAGCGATCTCGCGGACC 2081

QY 70 TGAAGACCGAGATCGACGAGTGTGAGTCGACGCGAGGTTGTTGCAAGGCGCACTGGCGG 129
DB 2082 TGAAGACCGAGATCGACGAGTGTGAGTCGACGCGAGGTTGTTGCAAGGCGCACTGGCGG 2141

QY 130 GCGCGGCGGAGGAGCGCGCGCGCGCGCGCTGCGCTTCGAGAGAGCGCAATTAAGC 189
DB 2142 GCGCGGCGGAGGAGCGCGCGCGCGCGCGCTGCGCTTCGAGAGAGCGCAATTAAGC 2201

QY 190 AGAAGCAGAACTCGACGAGATCTCGACGAATATTCGTCAGGCGCGCGCTCAATTAAGC 249
DB 2202 AGAAGCAGAACTCGACGAGATCTCGACGAATATTCGTCAGGCGCGCGCTCAATTAAGC 2261

QY 250 GGGCCGCGAGAGAGCAGAGCAGCGCGCTGCTCGCAATGGGCTTCTGACCGGCTAATA 309
DB 2262 GGGCCGCGAGAGAGCAGAGCAGCGCGCTGCTCGCAATGGGCTTCTGACCGGCTAATA 2321

QY 310 CGAAGAGAAACGAGGCAA 327
DB 2322 CGAAGAGAAACGAGGCAA 2339

RESULT 8

US-10-140-045-37
; Sequence 37, Application US/10140045
; Publication No. US20030092899A1
; GENERAL INFORMATION:
; APPLICANT: GICOUEL, BRIGITTE
; APPLICANT: BERTHET, FRANCOIS-XAVIER
; APPLICANT: ANDERSEN, PETER
; APPLICANT: RASMUSSEN, PETER B
; TITLE OF INVENTION: POLYNUCLEOTIDE FUNCTIONALLY CODING FOR THE LHP PROTEIN FROM MYCOBACTERIUM TUBERCULOSIS, ITS BIOLOGICALLY ACTIVE DERIVATIVE FRAGMENTS, AS WELL AS THE METHOD OF PREPARING THE SAME
; TITLE OF INVENTION: USING THE SAME
; FILE REFERENCE: 0660-0137-27X
; CURRENT APPLICATION NUMBER: US/10/140,045
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: US/09/116,492A
; PRIOR FILING DATE: 1998-07-16
; PRIOR APPLICATION NUMBER: 60/252,631
; PRIOR FILING DATE: 1997-07-16
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 37
; LENGTH: 1069
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-140-045-37

Query Match 96.8%; Score 316.4; DB 15; Length 1069;

Best Local Similarity 99.7%; Pred. No. 4.3e-85;

Matches 317; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 AGACCGATGCGCTACCTCGCGCAGAGGAGGAGTAAATTCGAGCGATCTCGCGGACC 69
DB 538 AGACCGATGCGCTACCTCGCGCAGAGGAGGAGTAAATTCGAGCGATCTCGCGGACC 597

QY 70 TGAAGACCGAGATCGACGAGTGTGAGTCGACGCGAGGTTGTTGCAAGGCGCACTGGCGG 129
DB 598 TGAAGACCGAGATCGACGAGTGTGAGTCGACGCGAGGTTGTTGCAAGGCGCACTGGCGG 657

QY 130 GCGCGGCGGAGGAGCGCGCGCGCGCGCGCTGCGCTTCGAGAGAGCGCAATTAAGC 189
DB 658 GCGCGGCGGAGGAGCGCGCGCGCGCGCGCTGCGCTTCGAGAGAGCGCAATTAAGC 717

QY 190 AGAAGCAGAACTCGACGAGATCTCGACGAATATTCGTCAGGCGCGCGCTCAATTAAGC 249
DB 718 AGAAGCAGAACTCGACGAGATCTCGACGAATATTCGTCAGGCGCGCGCTCAATTAAGC 777

QY 250 GGGCCGCGAGAGAGCAGAGCAGCGCGCTGCTCGCAATGGGCTTCTGACCGGCTAATA 309
DB 778 GGGCCGCGAGAGAGCAGAGCAGCGCGCTGCTCGCAATGGGCTTCTGACCGGCTAATA 837

QY 310 CGAAGAGAAACGAGGCAA 327
DB 838 CGAAGAGAAACGAGGCAA 855

RESULT 9

US-10-140-045-1
; Sequence 1, Application US/10140045
; Publication No. US20030092899A1
; GENERAL INFORMATION:
; APPLICANT: GICOUEL, BRIGITTE
; APPLICANT: BERTHET, FRANCOIS-XAVIER
; APPLICANT: ANDERSEN, PETER
; APPLICANT: RASMUSSEN, PETER B
; TITLE OF INVENTION: POLYNUCLEOTIDE FUNCTIONALLY CODING FOR THE LHP PROTEIN FROM MYCOBACTERIUM TUBERCULOSIS, ITS BIOLOGICALLY ACTIVE DERIVATIVE FRAGMENTS, AS WELL AS THE METHOD OF PREPARING THE SAME
; TITLE OF INVENTION: USING THE SAME
; FILE REFERENCE: 0660-0137-27X
; CURRENT APPLICATION NUMBER: US/10/140,045
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: US/09/116,492A
; PRIOR FILING DATE: 1998-07-16
; PRIOR APPLICATION NUMBER: 60/252,631
; PRIOR FILING DATE: 1997-07-16
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1277
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-10-140-045-1

Query Match 96.8%; Score 316.4; DB 15; Length 1277;

Best Local Similarity 99.7%; Pred. No. 4.4e-85;

Matches 317; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 AGACCGATGCGCTACCTCGCGCAGAGGAGGAGTAAATTCGAGCGATCTCGCGGACC 69
DB 538 AGACCGATGCGCTACCTCGCGCAGAGGAGGAGTAAATTCGAGCGATCTCGCGGACC 597

QY 70 TGAAGACCGAGATCGACGAGTGTGAGTCGACGCGAGGTTGTTGCAAGGCGCACTGGCGG 129
DB 598 TGAAGACCGAGATCGACGAGTGTGAGTCGACGCGAGGTTGTTGCAAGGCGCACTGGCGG 657

QY 130 GCGCGGCGGAGGAGCGCGCGCGCGCGCGCTGCGCTTCGAGAGAGCGCAATTAAGC 189
DB 658 GCGCGGCGGAGGAGCGCGCGCGCGCGCGCTGCGCTTCGAGAGAGCGCAATTAAGC 717

QY 190 AGAAGCAGAACTCGACGAGATCTCGACGAATATTCGTCAGGCGCGCGCTCAATTAAGC 249
DB 718 AGAAGCAGAACTCGACGAGATCTCGACGAATATTCGTCAGGCGCGCGCTCAATTAAGC 777

QY 250 GGGCCGCGAGAGAGCAGAGCAGCGCGCTGCTCGCAATGGGCTTCTGACCGGCTAATA 309
DB 778 GGGCCGCGAGAGAGCAGAGCAGCGCGCTGCTCGCAATGGGCTTCTGACCGGCTAATA 837

QY 310 CGAAGAGAAACGAGGCAA 327
DB 838 CGAAGAGAAACGAGGCAA 855

RESULT 10

US-10-140-045-38
; Sequence 38, Application US/10140045
; Publication No. US20030092899A1
; GENERAL INFORMATION:
; APPLICANT: GICOUEL, BRIGITTE
; APPLICANT: BERTHET, FRANCOIS-XAVIER

APPLICANT: ANDERSEN, PETER
APPLICANT: RASMUSSEN, PETER B
TITLE OF INVENTION: POLYNUCLEOTIDE FUNCTIONALLY CODING FOR THE LHP PROTEIN FROM MYCOE
TITLE OF INVENTION: TUBERCULOSIS, ITS BIOLOGICALLY ACTIVE DERIVATIVE FRAGMENTS, AS W
TITLE OF INVENTION: USING THE SAME
FILE REFERENCE: 0660-0137-27X
CURRENT APPLICATION NUMBER: US/10/140,045
CURRENT FILING DATE: 2002-05-08
PRIOR APPLICATION NUMBER: US/09/116,492A
PRIOR FILING DATE: 1998-07-16
PRIOR APPLICATION NUMBER: 60/252,631
PRIOR FILING DATE: 1997-07-16
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PatentIn version 3.1
SEQ ID NO 38
LENGTH: 1282
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
US-10-140-045-38

Query Match 96.8%; Score 316.4; DB 15; Length 1282;
Best Local Similarity 99.7%; Pred. No. 4.4e-85;
Matches 317; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 AGACCGATGCCGCTACCTCTGCGCAGAGGAGGCGATTAATTTGACGCGATCTCCGCGCACC 69
DB 537 AGACCGATGCCGCTACCTCTGCGCAGAGGAGGCGATTAATTTGACGCGATCTCCGCGCACC 596
QY 70 TGAATACCCAGATGACCAAGTGAGTGCAGCGAGTTCTTTCAGAGGCGCAGTGGCGCG 129
DB 597 TGAATACCCAGATGACCAAGTGAGTGCAGCGAGTTCTTTCAGAGGCGCAGTGGCGCG 656
QY 130 GCGCGCGGGGAGCG 189
DB 657 GCGCGCGGGGAGCG 716
QY 190 AGAAGCAGAACTGACGAGATCTCGACGAATATTCTGACGCGCGCGCTCCAAATTACTGA 249
DB 717 AGAAGCAGAACTGACGAGATCTCGACGAATATTCTGACGCGCGCGCTCCAAATTACTGA 776
QY 250 GGGCGGAG 309
DB 777 GGGCGGAG 836
QY 310 CGAAAG 327
DB 837 CGAAAG 854

RESULT 11

US-10-140-045-4
Sequence 4, Application US/10140045
Publication No. US20030092899A1
GENERAL INFORMATION:
APPLICANT: GICQUEL, BRIGITTE
APPLICANT: BERTHET, FRANCOIS-XAVIER
APPLICANT: ANDERSEN, PETER
APPLICANT: RASMUSSEN, PETER B
TITLE OF INVENTION: POLYNUCLEOTIDE FUNCTIONALLY CODING FOR THE LHP PROTEIN FROM MYCOE
TITLE OF INVENTION: TUBERCULOSIS, ITS BIOLOGICALLY ACTIVE DERIVATIVE FRAGMENTS, AS W
FILE REFERENCE: 0660-0137-27X
CURRENT APPLICATION NUMBER: US/10/140,045
CURRENT FILING DATE: 2002-05-08
PRIOR APPLICATION NUMBER: US/09/116,492A
PRIOR FILING DATE: 1998-07-16
PRIOR APPLICATION NUMBER: 60/252,631
PRIOR FILING DATE: 1997-07-16
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 302
TYPE: DNA

ORGANISM: Mycobacterium tuberculosis
US-10-140-045-4

Query Match 87.9%; Score 287.4; DB 15; Length 302;
Best Local Similarity 99.7%; Pred. No. 1.8e-76;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 AGACCGATGCCGCTACCTCTGCGCAGAGGAGGCGATTAATTTGACGCGATCTCCGCGCACC 69
DB 14 AGACCGATGCCGCTACCTCTGCGCAGAGGAGGCGATTAATTTGACGCGATCTCCGCGCACC 73
QY 70 TGAATACCCAGATGACCAAGTGAGTGCAGCGAGTTCTTTCAGAGGCGCAGTGGCGCG 129
DB 74 TGAATACCCAGATGACCAAGTGAGTGCAGCGAGTTCTTTCAGAGGCGCAGTGGCGCG 133
QY 130 GCGCGCGGGGAGCG 189
DB 134 GCGCGCGGGGAGCG 193
QY 190 AGAAGCAGAACTGACGAGATCTCGACGAATATTCTGACGCGCGCGCTCCAAATTACTGA 249
DB 194 AGAAGCAGAACTGACGAGATCTCGACGAATATTCTGACGCGCGCGCTCCAAATTACTGA 253
QY 250 GGGCGGAG 298
DB 254 GGGCGGAG 302

RESULT 12

US-10-084-843-350
Sequence 350, Application US/10084843
Publication No. US20030143243A1

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.

Skelky, Yael A.W.

Dillon, Devin C.

Campor-Neto, Antonio

Houghton, Raymond

Vedvick, Thomas S.

Twardzik, Daniel R.

Lodes, Michael J.

Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY

AND DIAGNOSIS OF TUBERCULOSIS

NUMBER OF SEQUENCES: 355

CORRESPONDENCE ADDRESSES:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/084,843

FILING DATE: 25-Feb-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/072,967

FILING DATE: 05-MAY-1998

ATTORNEY/AGENT INFORMATION:

NAME: Makl, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 210121.411C9

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 350:

SEQUENCE CHARACTERISTICS:

LENGTH: 2412 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 350:
US-10-084-843-350

Query Match 87.9%; Score 287.4; DB 13; Length 2412;
Best Local Similarity 98.0%; Pred. No. 2.3e-76;
Matches 291; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 10 AGACCGATGCCGCTACCTCTGCGCAGAGGACGATTAATTTGAGCGGATCTCCGGCGACC 69
DB 1286 AGACCGATGCCGCTACCTCTGCGCAGAGGACGATTAATTTGAGCGGATCTCCGGCGACC 1345
QY 70 TGAATCCGATGACGAGTGTGAGTGTGAGGCGGATTTGTTGAGGCGCAATGCGCG 129
DB 1346 TGAATCCGATGACGAGTGTGAGTGTGAGGCGGATTTGTTGAGGCGCAATGCGCG 1405
QY 130 GCGCGGCGGAGAGCGCGCCGAGCGCGGTTGCTTCCAAAGAGCGCAATAGC 189
DB 1406 GCGCGGCGGAGAGCGCGCCGAGCGCGGTTGCTTCCAAAGAGCGCAATAGC 1465
QY 190 AGAAGCAGAACTCGACGAGATCTCGACGAATATTCGTCAAGCGCGGCTCAATATCTCGA 249
DB 1466 AGAAGCAGAACTCGACGAGATCTCGACGAATATTCGTCAAGCGCGGCTCAATATCTCGA 1525
QY 250 GGGCCGACGAGAGCAGACGAGCGGCTGTCTTCCAAATGGGCTTTGACCGCGTA 306
DB 1526 GGGCCGACGAGAGCAGACGAGCGGCTGTCTTCCAAATGGGCTTTGACCGCGTA 1582

RESULT 13

US-10-193-002-345
Sequence 345, Application US/10193002
Publication No. US20030135026A1
GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
Skeiky, Yaelir A.W.
Dillon, David C.
Campos-Neto, Antonio
Houghton, Raymond
Vedrick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
Zip: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/193.002
FILING DATE: 10-Jul-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072.596
FILING DATE: 05-MAY-1998

ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9

TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 345:
SEQUENCE CHARACTERISTICS:
LENGTH: 2412 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 345:
US-10-193-002-345

Query Match 87.9%; Score 287.4; DB 13; Length 2412;
Best Local Similarity 98.0%; Pred. No. 2.3e-76;
Matches 291; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 10 AGACCGATGCCGCTACCTCTGCGCAGAGGACGATTAATTTGAGCGGATCTCCGGCGACC 69
DB 1286 AGACCGATGCCGCTACCTCTGCGCAGAGGACGATTAATTTGAGCGGATCTCCGGCGACC 1345
QY 70 TGAATCCGATGACGAGTGTGAGTGTGAGGCGGATTTGTTGAGGCGCAATGCGCG 129
DB 1346 TGAATCCGATGACGAGTGTGAGTGTGAGGCGGATTTGTTGAGGCGCAATGCGCG 1405
QY 130 GCGCGGCGGAGAGCGCGCCGAGCGCGGTTGCTTCCAAAGAGCGCAATAGC 189
DB 1406 GCGCGGCGGAGAGCGCGCCGAGCGCGGTTGCTTCCAAAGAGCGCAATAGC 1465
QY 190 AGAAGCAGAACTCGACGAGATCTCGACGAATATTCGTCAAGCGCGGCTCAATATCTCGA 249
DB 1466 AGAAGCAGAACTCGACGAGATCTCGACGAATATTCGTCAAGCGCGGCTCAATATCTCGA 1525
QY 250 GGGCCGACGAGAGCAGACGAGCGGCTGTCTTCCAAATGGGCTTTGACCGCGTA 306
DB 1526 GGGCCGACGAGAGCAGACGAGCGGCTGTCTTCCAAATGGGCTTTGACCGCGTA 1582

RESULT 14

US-09-287-849-9
Sequence 9, Application US/09287849
Patent No. US2002009459A1
GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
Skeiky, Yaelir A.W.
Dillon, David C.
Campos-Neto, Antonio
Houghton, Raymond
Vedrick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
FILE REFERENCE: 014058-009020US
CURRENT APPLICATION NUMBER: US/09/287.849
CURRENT FILING DATE: 1999-04-07
PRIOR APPLICATION NUMBER: US 08/818.112
PRIOR FILING DATE: 1997-03-13
PRIOR APPLICATION NUMBER: US 08/942.578
PRIOR FILING DATE: 1997-10-01
PRIOR APPLICATION NUMBER: US 09/025.197
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 09/056.556
PRIOR FILING DATE: 1998-04-07
PRIOR APPLICATION NUMBER: US 09/223.040
PRIOR FILING DATE: 1998-12-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patent Ver. 2.1
SEQ ID NO 9

LENGTH: 7676
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: tetra-fusion
OTHER INFORMATION: protein Tbra3-38KD-Tb38-1-DPEP (designated TbF-2)

NAME/KEY: CDS
LOCATION: (5072) .. (7480)
US-09-287-849-9

Query Match 87.9%; Score 287.4; DB 9; Length 7676;
Best Local Similarity 98.0%; Pred. No. 2.7e-76;
Matches 291; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 10 AGACCGATGCGCTACCTCGCGCAGAGCAGGATTAATTCGAGCGATCTCCGCGCACC 69
DB 6354 AGACCGATGCGCTACCTCGCGCAGAGCAGGATTAATTCGAGCGATCTCCGCGCACC 6413
QY 70 TGAATACCCAGATGACCAAGTGAAGTGAAGCGGAGGTTCTTGAAGGCGCAATGCGCG 129
DB 6414 TGAATACCCAGATGACCAAGTGAAGTGAAGCGGAGGTTCTTGAAGGCGCAATGCGCG 6473
QY 130 GCGCGGCGGAGCGCGCGCCAGGCGCGGTGTGCGCTTCCAAAGAGCAGCAATAGC 189
DB 6474 GCGCGGCGGAGCGCGCGCCAGGCGCGGTGTGCGCTTCCAAAGAGCAGCAATAGC 6533
QY 190 AGAAGCAGAACTCGACGAGATCTCGACGATATTCTCGACGCGCGGCTCCAAATAGC 249
DB 6534 AGAAGCAGAACTCGACGAGATCTCGACGATATTCTCGACGCGCGGCTCCAAATAGC 6593
QY 250 GGGCCGACGAGAGCAGCAGAGCGGCTGTCTCGCAATGGGCTTGTGACCCGCTA 306
DB 6594 GGGCCGACGAGAGCAGCAGAGCGGCTGTCTCGCAATGGGCTTGTGACCCGCTA 6650

RESULT 15

US-10-084-843-213
Sequence 213; Application US/10084843
Publication No. US20030143243A1

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.
Skelky, Yasir A.W.
Dillon, Davin C.

Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.

Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS

NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA

ZIP: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/084,843
FILING DATE: 25-Feb-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 05-MAY-1998

ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9

TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 213:

SEQUENCE CHARACTERISTICS:

LENGTH: 7676 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 213:
US-10-084-843-213

Query Match 87.9%; Score 287.4; DB 13; Length 7676;
Best Local Similarity 98.0%; Pred. No. 2.7e-76;
Matches 291; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 10 AGACCGATGCGCTACCTCGCGCAGAGCAGGATTAATTCGAGCGGATCTCCGCGCACC 69
DB 6354 AGACCGATGCGCTACCTCGCGCAGAGCAGGATTAATTCGAGCGGATCTCCGCGCACC 6413
QY 70 TGAATACCCAGATGACCAAGTGAAGTGAAGCGGAGGTTCTTGAAGGCGCAATGCGCG 129
DB 6414 TGAATACCCAGATGACCAAGTGAAGTGAAGCGGAGGTTCTTGAAGGCGCAATGCGCG 6473
QY 130 GCGCGGCGGAGCGCGCGCCAGGCGCGGTGTGCGCTTCCAAAGAGCAGCAATAGC 189
DB 6474 GCGCGGCGGAGCGCGCGCCAGGCGCGGTGTGCGCTTCCAAAGAGCAGCAATAGC 6533
QY 190 AGAAGCAGAACTCGACGAGATCTCGACGATATTCTCGACGCGCGGCTCCAAATAGC 249
DB 6534 AGAAGCAGAACTCGACGAGATCTCGACGATATTCTCGACGCGCGGCTCCAAATAGC 6593
QY 250 GGGCCGACGAGAGCAGCAGAGCGGCTGTCTCGCAATGGGCTTGTGACCCGCTA 306
DB 6594 GGGCCGACGAGAGCAGCAGAGCGGCTGTCTCGCAATGGGCTTGTGACCCGCTA 6650

Search completed: January 15, 2004, 09:43:45
Job time : 2980 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 15, 2004, 06:13:46 ; Search time 77 Seconds
(without alignments)
1874.445 Million cell updates/sec

Title: US-10-084-843-46

Sequence: 1 CGCAGCAGAGACGATGCC.....TACGAAAGAAAGCAGCA 327

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: Issued Patents NA:
2: /cgn2_6/prodata/2/ina/5A COMB.seq:*
3: /cgn2_6/prodata/2/ina/5B COMB.seq:*
4: /cgn2_6/prodata/2/ina/6A COMB.seq:*
5: /cgn2_6/prodata/2/ina/6B COMB.seq:*
6: /cgn2_6/prodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	327	100.0	327	US-08-818-112-46
2	327	100.0	327	US-08-818-111-46
3	327	100.0	327	US-09-056-556-46
4	327	100.0	327	US-09-072-596-46
5	318	97.2	1616	US-08-818-112-112
6	318	97.2	1616	US-08-818-111-107
7	318	97.2	1616	US-09-056-556-112
8	318	97.2	1616	US-09-072-596-107
9	318	97.2	16885	US-08-390-878-16
10	318	97.2	4403765	US-09-103-840A-2
11	318	97.2	4411529	US-09-103-840A-1
12	316.4	96.8	1069	US-09-116-492A-37
13	316.4	96.8	1277	US-09-116-492A-1
14	316.4	96.8	1282	US-09-116-492A-38
15	287.4	87.9	302	US-09-116-492A-4
16	287.4	87.9	2412	US-09-072-596-345
17	287.4	87.9	7676	US-09-056-556-213
18	287.4	87.9	7676	US-09-072-596-208
19	286.8	87.7	3572	US-09-072-596-337
20	285.4	87.3	855	US-09-116-492A-36
21	272	83.2	396	US-08-818-112-116
22	272	83.2	396	US-08-818-111-111
23	272	83.2	396	US-09-056-556-116
24	272	83.2	396	US-09-072-596-111
25	272	83.2	396	US-08-818-112-118
26	272	83.2	396	US-08-818-111-113
27	272	83.2	396	US-09-056-556-118

28	46	14.1	387	4	US-09-072-596-113	Sequence 113, App
29	42.4	13.0	4403765	3	US-09-103-840A-2	Sequence 2, Appl
30	42.4	13.0	4411529	3	US-09-103-840A-1	Sequence 1, Appl
31	40.6	12.4	948	4	US-09-252-991A-2355	Sequence 2355, Ap
32	40.6	12.4	1005	4	US-09-252-991A-2195	Sequence 2195, Ap
33	40.2	12.3	6443	6	5183745-5	Patent No. 5183745
34	39.6	12.1	729	4	US-09-252-991A-5316	Sequence 5316, Ap
35	38.4	11.7	9960	3	US-08-822-586-46	Sequence 46, Appl
36	38.2	11.7	609	4	US-09-252-991A-4207	Sequence 4207, Ap
37	38.2	11.7	1785	4	US-09-252-991A-4278	Sequence 4278, Ap
38	38.2	11.7	2097	4	US-09-252-991A-13635	Sequence 13635, A
39	38.2	11.7	2331	4	US-09-252-991A-13809	Sequence 13809, A
40	37.2	11.4	466	4	US-09-091-725-38	Sequence 38, Appl
41	37	11.3	534	4	US-09-252-991A-1533	Sequence 1533, Ap
42	37	11.3	3843	4	US-09-252-991A-1430	Sequence 1430, Ap
43	37	11.3	5337	4	US-09-252-991A-1588	Sequence 1588, Ap
44	36.6	11.2	477	3	US-09-135-994-1	Sequence 1, Appl
45	36.6	11.2	477	4	US-09-684-843A-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-08-818-112-46
Sequence 46, Application US/08818112
Patent No. 6290969
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, David C.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS
NUMBER OF SEQUENCES: 153
CORRESPONDENCE ADDRESS:
ADDRESSER: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/818, 112
FILING DATE: 13-Mar-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 327 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-818-112-46
Query Match 100.0%; Score 327; DB 3; Length 327;
Best Local Similarity 100.0%; Pred. No. 4.6e-78;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Thu Jan 15 09:52:36 2004

us-10-084-843-46.rn1

Page 2

Qy	1	CGGACACAGAGAACCGATGCGCTACCTCTCGGACAGAGCGAGGTAAATTTGAGCGGATCT	60
Db	1	CGGACACAGAGAACCGATGCGCTACCTCTCGGACAGAGCGAGGTAAATTTGAGCGGATCT	60
Qy	61	CCGGCGACCTTGAAAAACCCAGATCGACCAAGTGGAGTTCGACGGAGGCTTCTGACAGGCTC	120
Db	61	CCGGCGACCTTGAAAAACCCAGATCGACCAAGTGGAGTTCGACGGAGGCTTCTGACAGGCTC	120
Qy	121	AGTGGCCACGGCGCGCGCGGGGACCGGCGCGCCAGGCGCGGTGTGTCGCTTCCAAAGAACGAG	180
Db	121	AGTGGCCACGGCGCGCGGGGACCGGCGCGCCAGGCGCGGTGTGTCGCTTCCAAAGAACGAG	180
Qy	181	CCCAATTAAGCAGAAACAGGAACTCGACGAGATCTCGACGAATATTTCGTCAGGCGCGGCTCC	240
Db	181	CCCAATTAAGCAGAAACAGGAACTCGACGAGATCTCGACGAATATTTCGTCAGGCGCGGCTCC	240
Qy	241	AATACTCGAGGGCGGACGAGAGACGACGAGCGCTGTCTTCGCAATAGGCTTCTGAC	300
Db	241	AATACTCGAGGGCGGACGAGAGACGACGAGCGCTGTCTTCGCAATAGGCTTCTGAC	300
Qy	301	CCGCTAATAAGAAAGAAACGAGACAA	327
Db	301	CCGCTAATAAGAAAGAAACGAGACAA	327

US-08-818-11-46
; Sequence 45, Application us/08818111
; Patent No. 6338852
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedavick, Thomas S.
APPLICANT: Twardzik, Daniel R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/818,111
FILING DATE: 13-MAR-1997
CLASSIFICATION: 42A
ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121,417C6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 327 base pairs
TYPE: nucleic acid
STRANDNESS: single
TOPOLOGY: linear
US-08-818-11-46

Query Match	100.0%;	Score 327;	DB 4;	Length 327;
Best Local Similarity	100.0%;	Pred. No. 4.6e-78;		
Matches 1127;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	CGCGCAGAGAACCCGATCCCGCTACCCCTCGCGCAGAGAGGCAAGTAAATTTCCAGCGGATCT	60
Db	1	CGGCGAGAGAGCCGATCCCGCTACCCCTCGCGCAGAGAGGCAAGTAAATTTCCAGCGGATCT	60
QY	61	CCGGCGACCTGAAAAACCCAGATCGACCAAGTGGAATCGACGGCAGAGTTTCGTGCAGGGCC	120
Db	61	CCGGCGACCTGAAAAACCCAGATCGACCAAGTGGAATCGACGGCAGAGTTTCGTGCAGGGCC	120
QY	121	AGTGGCGCGGCGCGCGCGGGAGACGCGCGGCCCGCGGTGTGGCTTCCAAAGAAAGCAG	180
Db	121	AGTGGCGCGGCGCGCGGGAGACGCGCGGCCCGCGGTGTGGCTTCCAAAGAAAGCAG	180
QY	181	CCAAATPACAGAAAGCAGGAACCTCGACGAGATCTCGACGAAATATTTGCTCAGGCGCGGGCTCC	240
Db	181	CCAAATPACAGAAAGCAGGAACCTCGACGAGATCTCGACGAAATATTTGCTCAGGCGCGGGCTCC	240
QY	241	AATATCTGAGGGCCGACGAGAGGACGACGAGGGCGCTGTCTCCGAAATGGGCTTCTGAC	300
Db	241	AATATCTGAGGGCCGACGAGAGGACGACGAGGGCGCTGTCTCTCGAAATGGGCTTCTGAC	300
QY	301	CCGCTAAATACGAAAAAGAAACGAGCA	327
Db	301	CCGCTAAATACGAAAAAGAAACGAGCA	327

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1      RESULT 3
2      US-09-056-556-46
3      ; Sequence 46, Application US/09056556
4      ; Patent No. 6350456
5      ;
6      ; GENERAL INFORMATION:
7      ;
8      ; APPLICANT: Reed, Steven G.
9      ; APPLICANT: Steiky, Yasar A.W.
10     ; APPLICANT: Dillon, Davin C.
11     ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND
12     ; NUMBER OF SEQUENCES: 241
13     ; CORRESPONDENCE ADDRESS:
14     ; ADDRESSES: SEED and BERRY LLP
15     ; STREET: 6300 Columbia Center, 701 Fifth Avenue
16     ; CITY: Seattle
17     ; STATE: Washington
18     ; COUNTRY: USA
19     ;
20     ; ZIP: 98104-7092
21     ;
22     ; COMPUTER READABLE FORM:
23     ; MEDIUM TYPE: Floppy disk
24     ; COMPUTER: IBM PC compatible
25     ; OPERATING SYSTEM: PC-DOS/MS-DOS
26     ; SOFTWARE: Patent Release #1.0, Version #1.30
27     ;
28     ; CURRENT APPLICATION DATA:
29     ; APPLICATION NUMBER: US/09/056,556
30     ; FILING DATE: 07-APR-1998
31     ;
32     ; CLASSIFICATION:
33     ;
34     ; ATTORNEY/AGENT INFORMATION:
35     ;
36     ; NAME: MAKI, David J.
37     ; REGISTRATION NUMBER: 31,392
38     ; REFERENCE/DOCKET NUMBER: 210121.457
39     ;
40     ; TELECOMMUNICATION INFORMATION:
41     ;
42     ; TELEPHONE: (206) 622-4900
43     ; TELEFAX: (206) 682-6031
44     ;
45     ; INFORMATION FOR SEO ID NO: 46:
46     ;
47     ; SEQUENCE CHARACTERISTICS:
48     ;
49     ; LENGTH: 327 base pairs
50     ; TYPE: nucleic acid
51     ; STRANDEDNESS: single
52     ;
53     ; TOPOLOGY: linear
54     ;
55     ; US-09-056-556-46

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Query Match	100.0%	Score 327	DB 4	Length 327
Best Local Similarity	100.0%	Pred. No. 4.6e-78		
Matches 327; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0

QY 1 CGGACGAGAGACCGATCGCGTACCCGCGCGCAGAGAGCGATATTTCGAGCGGATCT 60
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TREATMENT

QY	10	AGACCGGATGCCGCTAACCTTCGCGAGAGAGGACGGTAAATTTGAGCGGATCTCCGCGAC	69
Dd	1222	AGACCGGATGCCGCTAACCTTCGCGAGAGAGGACGGTAAATTTGAGCGGATCTCCGCGAC	1291
QY	70	TGAAACCAGATCGACCGGTGAGTGCAGCGACGTTCTGTCAGGGCCAGTGGCGG	129
Dd	1292	TGAAACCAGATCGACCGGTGAGTGCAGCGACGTTCTGTCAGGGCCAGTGGCGG	1351
QY	130	GCGCGGCGGGGACCGGCGCCGACAGGCGCGGTGTGCGCTTCCAGAGACGCAATAAGC	189
Dd	1352	GCGCGGCGGGGACCGGCGCCGACAGGCGCGGTGTGCGCTTCCAGAGACGCAATAAGC	1411
QY	190	AGAGCGAGGAATCTGACGAGATCTTCGAGGAATTTGTCAGGCGGCGTCCCAATATCTGA	249
Dd	1412	AGAGCGAGGAATCTGACGAGATCTTCGAGGAATTTGTCAGGCGGCGTCCCAATATCTGA	1471
QY	250	GGGCGGACGAGAGAGCAGCAGGCGCTGTCTCTCGCAATAGGCTCTTGAACCGCTAATA	309
Dd	1472	GGGCGGACGAGAGAGCAGCAGGCGCTGTCTCTCGCAATAGGCTCTTGAACCGCTAATA	1531
QY	310	CGAAAGAGAAACGAGCAA 327	
Dd	1532	CGAAAGAGAAACGAGCAA 1549	

RESULT 8

Sequence 107, Application US/09072596
Patent No. 6458366
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yahir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
City: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent'n Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072.596
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Makl, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 107:
SEQUENCE CHARACTERISTICS:
LENGTH: 1616 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-072-596-107

Query Match	Best Local Similarity	97.2%;	Score 318;	DB 4;	Length 1616;
Matches	318;	Conservative	0;	Mismatches	0;
				Indels	Gaps
QY	10	AGACCGATGCGCGCTACCTCGCGCAGAGAGCGAGTAAATTTTCGACGGATCTCCGGCGACC	69		
Db	1232	AGACCGGATGCGCGCTACCTCGCGCAGAGAGCGAGTAAATTTTCGACGGATCTCCGGCGACC	1291		
QY	70	TGAAAACCCCAATTCGACCAAGTGGAGTTCGACAGCGAGTTTCGTCAGAGGCCACATGGGGCGG	129		
Db	1292	TGAAAACCCCAATTCGACCAAGTGGAGTTCGACAGCGAGTTTCGTCAGAGGCCACATGGGGCGG	1351		
QY	130	GCGCGCGCGGGGACGCGCGGCCCGACGCGCGGTGTGCGCTTCGACGAAGACCAATTAAGC	189		
Db	1332	GCGCGCGCGGGGACGCGCGGCCCGACGCGCGGTGTGCGCTTCGACGAAGACCAATTAAGC	1411		
QY	190	AGAAACGAGAACTCGACGAGATCTCGACGAATATTTCGTCAGGCGCGCGCTCCAAATCTCGA	249		
Db	1412	AGAAACGAGAACTCGACGAGATCTCGACGAATATTTCGTCAGGCGCGCGCTCCAAATCTCGA	1471		
QY	250	GGGCGCGACGAGGAGCAGCAGCAGCGCGCTGTCTTCGCAATGGGCTTCTTGACCCGGCTAATA	309		
Db	1472	GGGCGCGACGAGGAGCAGCAGCAGCGCGCTGTCTTCGCAATGGGCTTCTTGACCCGGCTAATA	1531		
QY	310	CGAAAAGAAACGAGCAAA 327			
Db	1532	CGAAAAGAAACGAGCAAA 1549			

RESULT 5

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US-08-390-878-16
Sequence 16, Application US/08390878
Patent No. 5700683
GENERAL INFORMATION:
APPLICANT: Stover, Charles K.
APPLICANT: Manaitas, Gregory G.
TITLE OF INVENTION: VIRULENCE-ATTENUATING GENETIC DELETIONS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSES: Townsend and Townsend Kourie and Crew
STREET: One Market Place, Stewart Street Tower, 20th
STREET: Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390, 878
FILING DATE: 17-FEB-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 15371A-17
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/543/9600
TELEFAX: 415/543/5043
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 16885 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-390-878-16
Query Match 97.2%; Score 318; DB 1; Length 16885;
Best Local Similarity 100.0%; Pred. No. 2.8e-75;

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Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1C AGACCGATGCGGCTACCTCGCGGAGGAGGAGGATTAATTTGACGCGATCTCCGCGACC 69
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Db 435: AGACCGATGCGGCTACCTCGCGGAGGAGGAGGATTAATTTGACGCGATCTCCGCGACC 4411
QY 7C TGAATACCCAGATGACCAAGTGAATGACGCGAGGTTGCTTGCAGGGCCCAATAGC 129
    |||
Db 441: TGAATACCCAGATGACCAAGTGAATGACGCGAGGTTGCTTGCAGGGCCCAATAGC 4471
QY 13C GCGCGGCGGAGCGCGCCCGCGCGTGTGCGCTTCAAGAGCAGCAATAAGC 189
    |||
Db 447: GCGCGGCGGAGCGCGCCCGCGCGTGTGCGCTTCAAGAGCAGCAATAAGC 4531
QY 19C AGAAGCAGGAATCTGACGAGATCTGACGATATTTGCGAGCGCGGCTCCAAATCTCGA 249
    |||
Db 453: AGAAGCAGGAATCTGACGAGATCTGACGATATTTGCGAGCGCGGCTCCAAATCTCGA 4591
QY 25C GGGCGGAGAGGAGCAGGAGGAGGCGGCTGTCTCGCAATGGGCTTCTGACCGGCTAATA 309
    |||
Db 459: GGGCGGAGAGGAGCAGGAGGAGGCGGCTGTCTCGCAATGGGCTTCTGACCGGCTAATA 4651
QY 31C CGAAAGAGAAACGGAGCAA 327
    |||
Db 465: CGAAAGAGAAACGGAGCAA 4669
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RESULT 10

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US-09-103-843A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103.840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-843A-2
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Query Match 97.2%; Score 318; DB 3; Length 4403765;

Best Local Similarity 100.0%; Pred. No. 9.8e-75; Mismatches 0; Indels 0; Gaps 0;

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QY 10 AGACCGATGCGGCTACCTCGCGGAGGAGGAGGATTAATTTGACGCGATCTCCGCGACC 69
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Db 4344517 AGACCGATGCGGCTACCTCGCGGAGGAGGAGGATTAATTTGACGCGATCTCCGCGACC 4344596
QY 10 TGAATACCCAGATGACCAAGTGAATGACGCGAGGTTGCTTGCAGGGCCCAATAGC 129
    |||
Db 4344517 TGAATACCCAGATGACCAAGTGAATGACGCGAGGTTGCTTGCAGGGCCCAATAGC 4344656
QY 110 GCGCGGCGGAGCGCGCCCGCGCGTGTGCGCTTCAAGAGCAGCAATAAGC 189
    |||
Db 4344637 GCGCGGCGGAGCGCGCCCGCGCGTGTGCGCTTCAAGAGCAGCAATAAGC 4344716
QY 130 AGAAGCAGGAATCTGACGAGATCTGACGATATTTGCGAGCGCGGCTCCAAATCTCGA 249
    |||
Db 4344717 AGAAGCAGGAATCTGACGAGATCTGACGATATTTGCGAGCGCGGCTCCAAATCTCGA 4344776
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QY 250 GGGCGGAGAGGAGCAGACAGCAGCGCGTGTCTCGCAATGGGCTTCTGACCGGCTAATA 309
    |||
Db 4344777 GGGCGGAGAGGAGCAGACAGCAGCGCGTGTCTCGCAATGGGCTTCTGACCGGCTAATA 4344836
QY 310 CGAAAGAGAAACGGAGCAA 327
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Db 4344837 CGAAAGAGAAACGGAGCAA 4344854
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RESULT 11

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US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103.840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1
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Query Match 97.2%; Score 318; DB 3; Length 4411529;

Best Local Similarity 100.0%; Pred. No. 9.8e-75; Mismatches 0; Indels 0; Gaps 0;

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QY 70 TGAATACCCAGATGACCAAGTGAATGACGCGAGGTTGCTTGCAGGGCCCAATAGC 129
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Db 4352344 TGAATACCCAGATGACCAAGTGAATGACGCGAGGTTGCTTGCAGGGCCCAATAGC 4352403
QY 130 GCGCGGCGGAGCGCGCCCGCGCGTGTGCGCTTCAAGAGCAGCAATAAGC 189
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Db 4352404 GCGCGGCGGAGCGCGCCCGCGCGTGTGCGCTTCAAGAGCAGCAATAAGC 4352463
QY 190 AGAAGCAGGAATCTGACGAGATCTGACGATATTTGCGAGCGCGGCTCCAAATCTCGA 249
    |||
Db 4352464 AGAAGCAGGAATCTGACGAGATCTGACGATATTTGCGAGCGCGGCTCCAAATCTCGA 4352523
QY 250 GGGCGGAGAGGAGCAGACAGCAGCGCGTGTCTCGCAATGGGCTTCTGACCGGCTAATA 309
    |||
Db 4352524 GGGCGGAGAGGAGCAGACAGCAGCGCGTGTCTCGCAATGGGCTTCTGACCGGCTAATA 4352583
QY 310 CGAAAGAGAAACGGAGCAA 327
    |||
Db 4352584 CGAAAGAGAAACGGAGCAA 4352601
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RESULT 12
US-09-116-492A-37
; Sequence 37, Application US/09116492A
; Patent No. 6436409
; GENERAL INFORMATION:
; APPLICANT: GICQUEL, BRIGITTE
; APPLICANT: BERTHELET, FRANCOIS-XAVIER
; APPLICANT: RASMUSSEN, PETER B
; TITLE OF INVENTION: POLYNUCLEOTIDE FUNCTIONALLY CODING FOR THE LHP PROTEIN FROM MYCOBACTERIUM TUBERCULOSIS, ITS BIOLOGICALLY ACTIVE DERIVATIVE FRAGMENTS, AS WELL AS
; TITLE OF INVENTION: USING THE SAME

Thu Jan 15 09:52:36 2004

us-10-084-843-46.rn1

Page 8

Db 837 CGAAAGAAACGAGCA 854

RESULT 15
 US-09-116-492A-4
 : Sequence 4, Application US/09116492A
 : Patent No. 6436409
 : GENERAL INFORMATION:
 : APPLICANT: GICQUEL, BRIGITTE
 : APPLICANT: BERTHER, FRANCOIS-XAVIER
 : APPLICANT: ANDERSEN, PETER
 : APPLICANT: RASMUSEN, PETER B
 : TITLE OF INVENTION: POLYNUCLEOTIDE FUNCTIONALLY CODING FOR THE LIP PROTEIN FROM MYCO
 : TITLE OF INVENTION: TUBERCULOSIS, ITS BIOLOGICALLY ACTIVE DERIVATIVE FRAGMENTS, AS V
 : FILE OF INVENTION: USING THE SAME
 : FILE REFERENCE: 0660-0137-27X
 : CURRENT APPLICATION NUMBER: US/09/116,492A
 : CURRENT FILING DATE: 1998-07-16
 : PRIOR APPLICATION NUMBER: 60/252,631
 : PRIOR FILING DATE: 1997-07-16
 : NUMBER OF SEQ ID NOS: 39
 : SOFTWARE: PatentIn version 3.1
 : SEQ ID NO.:
 : LENGTH: 102
 : TYPE: DNA
 : ORGANISM: Mycobacterium tuberculosis
 : US-09-116-491A-4

	Query Macc1	Similarity	97.9%	Score	287.4	DB 4	Length	302
	Best Local	Similarity	99.7%	Score	No. 1.4e-67			
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Oy	1)	AGACCGAATGCGCTACCTCCGCGCAGAGGACAGTAAATTTCCAGCGGATCTCCGGCGACC	69					
Db	1)	AGACCGAATGCGCTACCTCCGCGCAGAGGACAGTAAATTTCCAGCGGATCTCCGGCGACC	73					
Oy	7)	TGAAAAACCCAGATCGACAGAGTGTGAGCGGAGTTGCTTTGGACGGCCAGGTGGCGG	129					
Db	7)	TGAAAAACCCAGATCGACAGAGTGTGAGCGGAGTTGCTTTGGACGGCCAGGTGGCGG	133					
Oy	13)	GCGCGCGCGGAGACGGCCCGCCAGGCGCGCGGTGTGCGCTTCCAAAGACGCAATTAAC	189					
Db	13)	GCGCGCGCGGAGACGGCCCGCCAGGCGCGCGGTGTGCGCTTCCAAAGACGCAATTAAC	193					
Oy	15)	AGAAACAGAACTCGACGAGATCTCGAAGAAATTTGTCAGGCGCGCGCTTCAAATCTCGA	249					
Db	15)	AGAAACAGAAATCTCGACGAGATCTCGAAGAAATTTGTCAGGCGCGCGCTTCAAATCTCGA	253					
Oy	21)	GGGCGGACGAGAGACGACGACGAGCGCTGTCTCTCGAAATGGGCTTTCTG	298					
Db	21)	GGGCGGACGAGAGACGACGACGAGCGCTGTCTCTCGAAATGGGCTTTCTG	302					

Search completed: January 15, 2004, 06:15:36
Job time : 14 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 15, 2004, 06:13:46 ; Search time 1607 Seconds
(without alignment:s)
8324.485 Million cell updates/sec

Title: US-10-084-843-46

Perfect score: 327
Sequence: 1 CGGCACGAGACCGATGCC.....TACGAAAGGAAKCGAGCAA 327

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2888711 seqs, 2045481386 residues

Total number of hits satisfying chosen parameters: 5777422

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

- 1: gb_ba:*
- 2: gb_hcg:*
- 3: gb_in:*
- 4: gb_ov:*
- 5: gb_ov:*
- 6: gb_ov:*
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- 39: gb_ov:*
- 40: gb_ov:*
- 41: gb_ov:*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	327	100.0	327	6	AR169194	AR169194 Sequence
2	327	100.0	327	6	AR182484	AR182484 Sequence
3	327	100.0	327	6	AR194867	AR194867 Sequence
4	327	100.0	327	6	AR233139	AR233139 Sequence
5	327	100.0	327	6	AR429638	AR429638 Sequence
6	327	100.0	327	6	BD006487	BD006487 Compounds
7	327	100.0	327	6	BD006487	BD006487 Compounds
8	327	100.0	327	6	BD069327	BD069327 Compounds
9	318	97.2	1069	1	AF004671	AF004671 Mycobacte
10	318	97.2	1616	6	AR169208	AR169208 Sequence
11	318	97.2	1616	6	AR182498	AR182498 Sequence
12	318	97.2	1616	6	AR194881	AR194881 Sequence
13	318	97.2	1616	6	AR233153	AR233153 Sequence
14	318	97.2	1616	6	AX429704	AX429704 Sequence
15	318	97.2	1616	6	BD006381	BD006381 Compounds
16	318	97.2	1616	6	BD006501	BD006501 Compounds
17	318	97.2	1515	6	AE007190	AE007190 Mycobacte
18	318	97.2	16885	6	186262	186262 Sequence 16
19	318	97.2	17499	1	MBU34848	MBU34848 Mycobacteri
20	318	97.2	19300	1	MTW027	MTW027 Mycobacte
21	318	97.2	278492	1	BX248347	BX248347 Mycobacte
22	316.4	96.8	1069	6	AR223433	AR223433 Sequence
23	316.4	96.8	1277	6	AR223409	AR223409 Sequence
24	316.4	96.8	1282	6	AR223434	AR223434 Sequence
25	292.8	89.5	330	1	AF419854	AF419854 Mycobacte
26	287.4	87.9	302	6	AR223412	AR223412 Sequence
27	287.4	87.9	2412	6	AR233302	AR233302 Sequence
28	287.4	87.9	7676	6	AR194941	AR194941 Sequence
29	287.4	87.9	7676	6	AR233213	AR233213 Sequence
30	287.4	87.9	7676	6	BD006441	BD006441 Compounds
31	287.4	87.9	7676	6	BD006561	BD006561 Compounds
32	286.8	87.7	3572	6	AR233299	AR233299 Sequence
33	285.4	87.3	855	6	AR223432	AR223432 Sequence
34	272	83.2	396	6	AR169210	AR169210 Sequence
35	272	83.2	396	6	AR182500	AR182500 Sequence
36	272	83.2	396	6	AR194883	AR194883 Sequence
37	272	83.2	396	6	AR233155	AR233155 Sequence
38	272	83.2	396	6	AX429708	AX429708 Sequence
39	272	83.2	396	6	BD006383	BD006383 Compounds
40	272	83.2	396	6	BD006503	BD006503 Compounds
41	272	83.2	396	6	BD069343	BD069343 Compounds
42	85	26.0	2033	1	MLDNAL45G	X90946 M. leprae L4
43	85	26.0	40789	1	MLCB628	Y14967 Mycobacteri
44	85	26.0	344050	1	MLEPRTN1	AT583917 Mycobacte
45	50.8	15.5	708	3	MOTAPOL	M17286 M. sexta apo

ALIGNMENTS

RESULT 1
LOCUS AR169194 327 bp DNA linear PAT 17-DEC-2001
DEFINITION Sequence 46 from patent US 6230969.
ACCESSION AR169194
VERSION AR169194.1 GI:17906991
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 327)
AUTHORS Reed,S.G., Skeiky,Y.A.W., Dillon,D.C., Campos-Neto,A., Houghton,R.,
Vedrick,I.S. and Iwadezik,D.R.
TITLE Compounds and methods for immunotherapy and diagnosis of
tuberculosis

JOURNAL Patent: US 6290969-A 46 18-SEP-2001;
 FEATURES Location/Qualifiers
 Source 1..327 /organism="unknown"
 BASE COUNT 79 a 95 c 111 g 42 t
 ORIGIN

Query Match 100.0%; Score 327; DB 6; Length 327;
 Best Local Similarity 100.0%; Pred. No. 3.2e-55;
 Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGAGAGACCGATGCGCTACCTTCGCGAGAGGAGGAGTAATTTGAGCGGATCT 60
 DB 1 CGGACGAGAGACCGATGCGCTACCTTCGCGAGAGGAGGAGTAATTTGAGCGGATCT 60
 QY 61 CCGGCGACTGAAAACCGATGCGAGGTGAGTGCAGCGGAGGTTGTTGAGGAGCC 120
 DB 61 CCGGCGACTGAAAACCGATGCGAGGTGAGTGCAGCGGAGGTTGTTGAGGAGCC 120
 QY 121 AGTGGCGCGCGCGCGGAGCGGCGCCGCCAGCGCGGTGTCGCTTCCAGAGAGCAG 180
 DB 121 AGTGGCGCGCGCGCGGAGCGGCGCCGCCAGCGCGGTGTCGCTTCCAGAGAGCAG 180
 QY 181 CCAATAAGCAGAGACGAACTCGACGAGATCTCGAGAAATATTCGTCAGCGCGCTCC 240
 DB 181 CCAATAAGCAGAGACGAACTCGACGAGATCTCGAGAAATATTCGTCAGCGCGCTCC 240
 QY 241 AATACTGAGAGGCGGAGAGAGAGAGAGAGGCGTCTCTCGCAATATGGGCTTTCGAC 300
 DB 241 AATACTGAGAGGCGGAGAGAGAGAGAGAGGCGTCTCTCGCAATATGGGCTTTCGAC 300
 QY 301 CCGCTAATACGAAAAGAACGAGCAA 327
 DB 301 CCGCTAATACGAAAAGAACGAGCAA 327

RESULT 2
 LOCUS AR182484 327 bp DNA linear PAT 20-APR-2002
 DEFINITION Sequence 46 from patent US 6338852.
 ACCESSION AR182484
 VERSION AR182484.1 GI:20225691
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 327)
 AUTHORS Reed,S.G., Skeiky,Y.A.W., Dillon,D.C., Campos-Neco,A., Houghton,R.,
 /edvick,T.S. and /wardzik,D.R.
 TITLE Compounds and methods for diagnosis of tuberculosis
 JOURNAL Patent: US 6338852-A 46 15-JAN-2002;
 FEATURES Location/Qualifiers
 Source 1..327 /organism="unknown"
 BASE COUNT 79 a 95 c 111 g 42 t
 ORIGIN

Query Match 100.0%; Score 327; DB 6; Length 327;
 Best Local Similarity 100.0%; Pred. No. 3.2e-55;
 Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGAGAGACCGATGCGCTACCTTCGCGAGAGGAGGAGTAATTTGAGCGGATCT 60
 DB 1 CGGACGAGAGACCGATGCGCTACCTTCGCGAGAGGAGGAGTAATTTGAGCGGATCT 60
 QY 61 CCGGCGACTGAAAACCGATGCGAGGTGAGTGCAGCGGAGGTTGTTGAGGAGCC 120
 DB 61 CCGGCGACTGAAAACCGATGCGAGGTGAGTGCAGCGGAGGTTGTTGAGGAGCC 120
 QY 121 AGTGGCGCGCGCGCGGAGCGGCGCCGCCAGCGCGGTGTCGCTTCCAGAGAGCAG 180
 DB 121 AGTGGCGCGCGCGCGGAGCGGCGCCGCCAGCGCGGTGTCGCTTCCAGAGAGCAG 180
 QY 181 CCAATAAGCAGAGACGAACTCGACGAGATCTCGAGAAATATTCGTCAGCGCGCTCC 240
 DB 181 CCAATAAGCAGAGACGAACTCGACGAGATCTCGAGAAATATTCGTCAGCGCGCTCC 240
 QY 241 AATACTGAGAGGCGGAGAGAGAGAGAGAGGCGTCTCTCGCAATATGGGCTTTCGAC 300
 DB 241 AATACTGAGAGGCGGAGAGAGAGAGAGAGGCGTCTCTCGCAATATGGGCTTTCGAC 300
 QY 301 CCGCTAATACGAAAAGAACGAGCAA 327
 DB 301 CCGCTAATACGAAAAGAACGAGCAA 327

QY 181 CCAATAAGCAGAGACGAACTCGACGAGATCTCGAGAAATATTCGTCAGCGCGGCTCC 240
 DB 181 CCAATAAGCAGAGACGAACTCGACGAGATCTCGAGAAATATTCGTCAGCGCGGCTCC 240
 QY 241 AATACTGAGAGGCGGAGAGAGAGAGAGAGGCGTCTCTCGCAATATGGGCTTTCGAC 300
 DB 241 AATACTGAGAGGCGGAGAGAGAGAGAGAGGCGTCTCTCGCAATATGGGCTTTCGAC 300
 QY 301 CCGCTAATACGAAAAGAACGAGCAA 327
 DB 301 CCGCTAATACGAAAAGAACGAGCAA 327

RESULT 3
 LOCUS AR194867 327 bp DNA linear PAT 20-APR-2002
 DEFINITION Sequence 46 from patent US 6350456.
 ACCESSION AR194867
 VERSION AR194867.1 GI:20244304
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 327)
 AUTHORS Reed,S.G., Skeiky,Y.A.W. and Dillon,D.C.
 TITLE Compositions and methods for the prevention and treatment of M.
 tuberculosis infection
 JOURNAL Patent: US 6350456-A 46 26-FEB-2002;
 FEATURES Location/Qualifiers
 Source 1..327 /organism="unknown"
 BASE COUNT 79 a 95 c 111 g 42 t
 ORIGIN

Query Match 100.0%; Score 327; DB 6; Length 327;
 Best Local Similarity 100.0%; Pred. No. 3.2e-55;
 Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGAGAGACCGATGCGCTACCTTCGCGAGAGGAGGAGTAATTTGAGCGGATCT 60
 DB 1 CGGACGAGAGACCGATGCGCTACCTTCGCGAGAGGAGGAGTAATTTGAGCGGATCT 60
 QY 61 CCGGCGACTGAAAACCGATGCGAGGTGAGTGCAGCGGAGGTTGTTGAGGAGCC 120
 DB 61 CCGGCGACTGAAAACCGATGCGAGGTGAGTGCAGCGGAGGTTGTTGAGGAGCC 120
 QY 121 AGTGGCGCGCGCGCGGAGCGGCGCCGCCAGCGCGGTGTCGCTTCCAGAGAGCAG 180
 DB 121 AGTGGCGCGCGCGCGGAGCGGCGCCGCCAGCGCGGTGTCGCTTCCAGAGAGCAG 180
 QY 181 CCAATAAGCAGAGACGAACTCGACGAGATCTCGAGAAATATTCGTCAGCGCGCTCC 240
 DB 181 CCAATAAGCAGAGACGAACTCGACGAGATCTCGAGAAATATTCGTCAGCGCGCTCC 240
 QY 241 AATACTGAGAGGCGGAGAGAGAGAGAGAGGCGTCTCTCGCAATATGGGCTTTCGAC 300
 DB 241 AATACTGAGAGGCGGAGAGAGAGAGAGAGGCGTCTCTCGCAATATGGGCTTTCGAC 300
 QY 301 CCGCTAATACGAAAAGAACGAGCAA 327
 DB 301 CCGCTAATACGAAAAGAACGAGCAA 327

RESULT 4
 LOCUS AR233139 327 bp DNA linear PAT 20-DEC-2002
 DEFINITION Sequence 46 from patent US 6458366.
 ACCESSION AR233139
 VERSION AR233139.1 GI:27275575
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 327)
 AUTHORS Reed,S.G., Skeiky,Y.A.W. and Dillon,D.C.
 TITLE Compositions and methods for the prevention and treatment of M.
 tuberculosis infection
 JOURNAL Patent: US 6458366-A 46 18-DEC-2002;
 FEATURES Location/Qualifiers
 Source 1..327 /organism="unknown"
 BASE COUNT 79 a 95 c 111 g 42 t
 ORIGIN

Query Match 100.0%; Score 327; DB 6; Length 327;
 Best Local Similarity 100.0%; Pred. No. 3.2e-55;
 Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGGACGAGAGACCGATGCGCTACCTTCGCGAGAGGAGGAGTAATTTGAGCGGATCT 60
 DB 1 CGGACGAGAGACCGATGCGCTACCTTCGCGAGAGGAGGAGTAATTTGAGCGGATCT 60
 QY 61 CCGGCGACTGAAAACCGATGCGAGGTGAGTGCAGCGGAGGTTGTTGAGGAGCC 120
 DB 61 CCGGCGACTGAAAACCGATGCGAGGTGAGTGCAGCGGAGGTTGTTGAGGAGCC 120
 QY 121 AGTGGCGCGCGCGCGGAGCGGCGCCGCCAGCGCGGTGTCGCTTCCAGAGAGCAG 180
 DB 121 AGTGGCGCGCGCGCGGAGCGGCGCCGCCAGCGCGGTGTCGCTTCCAGAGAGCAG 180
 QY 181 CCAATAAGCAGAGACGAACTCGACGAGATCTCGAGAAATATTCGTCAGCGCGCTCC 240
 DB 181 CCAATAAGCAGAGACGAACTCGACGAGATCTCGAGAAATATTCGTCAGCGCGCTCC 240
 QY 241 AATACTGAGAGGCGGAGAGAGAGAGAGAGGCGTCTCTCGCAATATGGGCTTTCGAC 300
 DB 241 AATACTGAGAGGCGGAGAGAGAGAGAGAGGCGTCTCTCGCAATATGGGCTTTCGAC 300
 QY 301 CCGCTAATACGAAAAGAACGAGCAA 327
 DB 301 CCGCTAATACGAAAAGAACGAGCAA 327

	QY	61	CCGGCGACCTGAAAACCACAATCGACAGGTGAGTGCAGCAGGTTCTGTCAGAGGCC	120
	Db	61	CCGGCGACCTGAAAACCACAATCGACAGGTGAGTGCAGCAGGTTCTGTCAGAGGCC	120
	QY	121	AGTGCGCGCGCGCGCGCGGAGCGCGCCCAAGCGCGCGTGTGCGCTTCCAAGAACGAG	180
	Db	121	AGTGCGCGCGCGCGCGCGGAGCGCGCCCAAGCGCGCGTGTGCGCTTCCAAGAACGAG	180
	QY	181	CCAAATGAACGAAGCAGGAATCTGACAGCATCTCTGCAGCAATTTCGTCAGGCGCGTCC	240
	Db	181	CCAAATGAACGAAGCAGGAATCTGACAGCATCTCTGCAGCAATTTCGTCAGGCGCGTCC	240
	QY	241	AATACTGAGGCGCGACGACGAGAGCAGCAGGCGCTGCTCGCACAAATGGAGCTTTCAG	300
	Db	241	AATACTGAGGCGCGACGACGAGAGCAGCAGGCGCTGCTCGCACAAATGGAGCTTTCAG	300
	QY	301	CCGCTAATACGAAAAAGAAACGAGCA 327	
	Db	301	CCGCTAATACGAAAAAGAAACGAGCA 327	
RESULT 6				
BD006367				
LOCUS		327 bp	DNA	linear PAT 31-JAN-2002
DEFINITION				Compounds and methods for diagnosis of Tuberculosis.
ACCESSION		BD006367		
VERSION		BD006367.1		GI:18634738
KEYWORDS		JP 2001500383-A/46.		
SOURCE		unidentified		
ORGANISM		unclassified.		
REFERENCE		1 (bases 1 to 327)		
AUTHORS		Reed,S.G., Skelky,T.A.W., Dillon,D.C., Neto,A.C., Houghton,R., Vedvick,T.S., Twardzik,D.R. and Lodes,M.J.		
TITLE		Compounds and methods for diagnosis of Tuberculosis		
JOURNAL		Patent: JP 2001500383-A 46 16-JAN-2001;		
COMMENT		CORIXA CORP		
		OS Unidentified		
		PN JP 2001500383-A/46		
		PD 16-JAN-2001		
		PF 07-OCT-1997 JP 1998518432		
		PR 11-OCT-1996 US 08/729622,13-MAR-1997 US 08/818111 PI		
		STEVEN G REED,YASIR A W SKEIKY,DAVIN C DILLON,PI ANTONIO CAMPOS NETO, PI RAYMOND HOUGHTON,THOMAS S VEDVICK,DANIEL R TWARDZIK,PI MICHAEL J LODDES PC C12N15/31,C07K14/35,C07K16/12,C12Q1/68,C12N15/62,G01N33/53 CC Strandedness: Single; CC Topology: Linear; FH key Location/Qualifiers FT 1..327 /organism='Unidentified'. Location/Qualifiers 1..327 /organism='unidentified' /mol_type='genomic DNA' /db_xref='taxon:32644'		
FEATURES				
source				
BASE COUNT		79 a	95 c	111 g 42 t
ORIGIN				
Query Match		100.0%;	Score 327,	DB 6; Length 327;
Best Local Similarity		100.0%;	Pred. No. 3,-2e-55;	
Matches 327;		Conservative 0;	Mismatches 0;	Indels 0; Gaps 0;
	QY	1	CCGGCAGACGAGACCGATGCGCGTACCGCTCGCGCAGAGGCGAGTAATTTCGACGCGATCT	60
	Db	1	CCGGCAGACGAGACCGATGCGCGTACCGCTCGCGCAGAGGCGAGTAATTTCGACGCGATCT	60
	QY	61	CCGGCGACTGTAAAAACCAGATCGACCAAGGTGAGTGCACGCGCAGGTTCTGTCAGAGGCC	120
	Db	61	CCGGCGACTGTAAAAACCAGATCGACCAAGGTGAGTGCACGCGCAGGTTCTGTCAGAGGCC	120
	QY	121	AGTGCGCGCGCGCGCGGAGCGCGCCCAAGCGCGCGTGTGCGCTTCCAAGAACGAG	180

	121	181	181	241	241	241	301	301
D _b	AGTGACGGGGCGGGGAGACGGCGCGCCAGGCCGCGGTGGTGGCTTCCAGAAAGCAG							
Q _y	CCAAFAAGCAGAAAGCAGAACTCCACGAGATCTCGACGAATTTGGTCAAGCGGGCGTCC							
D _b	CCAAFAAGCAGAAAGCAGAACTCCACGAGATCTCCACGAATTTGTCAAGCGGGCGTCC							
Q _y	AATPCTCAGAGGCCGACGAGAGCAGACGAGCGCTGTCTCGCAAAATGAGCTTTCTGAC							
D _b	AATPCTCAGAGGCCGACGAGAGCAGACGAGCGCTGTCTCGCAAAATGAGCTTTCTGAC							
Q _y	CCGCTAATATCGAAAAAGAAACGAGCAA	327						
D _b	CCGCTAATATCGAAAAAGAAACGAGCAA	327						

RESULT 7	
BD006487	
LOCUS	BD006487
DEFINITION	BD006487 327 bp DNA linear PAT 31-JAN-2002 Tuberculosis.
ACCESSION	BD006487
VERSION	BD006487.1 GI:18634858
KEYWORDS	JP 2/01501832-A/46.
SOURCE	unidentified
ORGANISM	unidentified
REFERENCE	unclassified.
AUTHORS	1 (ases 1 to 327)
TITLE	Reed,S.G., Skelky,Y.A.W., Dillon,D.C., Neto,A.C., Houghton,R., Veevlck,T.S., Twirdick,D.R. and Lodes,M.J. Compounds and methods for immunotherapy and diagnosis of Patent: JP 2001501832-A 46 13-FEB-2001;
JOURNAL	

COMMENT	OS	Unidentified
PN	JP 2001501832-A/46	
PD	13-FEB-2001	
PF	07-OCT-1997 JP 1998518456	
PR	11-OCT-1996 US 08/730510, 13-MAR-1997 US	08/818112 PI
STEVEN G REED, YASIR A W SKEIKY, DAVIN C DILLON, PI	ANTONIO CAMPOS	
NET),		
PI	RAYMOND HOUGHTON, THOMAS S VEDVICK, DANIEL R TWARDEK, PI	
MICHAEL J LODES		
PC	C12N15/31, C07K14/35, A61K39/04, A61K48/00, A61K49/00, C12N15/62,	
PC	C07K19/00,	
PC	G01N33/50, G01N33/60, G01N33/569, C12N1/19, C12N1/20, C12N1/21, PC	
C12N5/10//		
PC	(C12N1/21, C12R1:19)	
CC	Strandedness: Single;	
CC	Topology: Linear;	
FI	Key	Location/Qualifiers
FI	source	1. .327
		/organism='Unidentified'.
FEATURES		
source		
	1. .327	
	Location/Qualifiers	
	/organism='unidentified'	
	/mol_type='genomic DNA'	
	/db_xref='taxon:32644'	
BASE COUNT	79 a	111 g 42 c
ORIGIN		

	Query Match	100.0%	Score 327	DB 6	Length 327
	Best Local Similarity	100.0%	Pred. No. 3.2e-55		
	Matches 327	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	1	CGGCGACGAGAGACCGATGCGCGTACCTTCGCGCAGAGAGAGTAAATTTCGAGCGGACT			60
Db	1	CGGCGACGAGAGACCGATGCGCGTACCTTCGCGCAGAGAGAGTAAATTTCGAGCGGACT			60
QY	61	CCGGCGACTTGA AAAA CCGAGTCGACGAGTGA GACTCGACGGCAGTTCGTTGACGGGCC			120
Db	61	CCGGCGACTTGA AAAA CCGAGTCGACGAGTGA GACTCGACGGCAGTTCGTTGACGGGCC			120
QY	121	AGTGGCCGCGCGCGCGCGGAGACGCGCCCGCCGAGCCGCGGTGCGCTTCCAGAAAGAC			180

Db	121	AGTGGCCGGCGCGGCGAGCGGCCGCCAGGCGCGGTGTGCGCTTCCAAAGAACAG	180
Qy	181	CCATAAGCAGAAACAGAGAACTGAGCGAGATCTGCAGATATTCTCGACAGCGCGCTCC	240
Db	181	CCAAATNAGCAGAAACAGAGAACTGCACGAGATCTGCAGAAATTTCTGACGCGCGCTCC	240
Qy	241	AATACTCGAGGCGCGACGAGAGACGACGACGCGCTGTCTCTGCAGAAATGGGCTTCTGAC	300
Db	241	AATACTCGAGGCGCGACGAGAGACGACGACGCGCTGTCTCTGCAGAAATGGGCTTCTGAC	300
Qy	301	CCGCTAATACGAAAGAAACGAGCAAA	327
Db	301	CCGCTAATACGAAAGAAACGAGCAAA	327

RESULT 8				
BD069327				
LOCUS				
DEFINITION	BD069327	327 bp	DNA	linear PAT 27-AUG-2002
ACCESSION	BD069327			
VERSION	BD069327.1	GI:22614930		
KEYWORDS	JP 2001517069-A/46.			
SOURCE	unidentified			
ORGANISM	unclassified.			
REFERENCE	1 (bases 1 to 327)			
AUTHORS	Reed,S.G., Skekly,Y.A.W., Dillon,D.C., Neto,A.C., Houghton,R., Vedvick,T.H. and Twardzik,D.R.			
TITLE	Compounds and methods for immunotherapy and diagnosis of			
JOURNAL	Patent: JP 2001517069-A 46 02-OCT-2001;			

	COMMENT
OS	Unidentified
PN	JP 2001517069-A/46
PD	02-OCT-2001
PF	30-AUG-1996 JP 1997511464
PR	01-SEP-1995 US 08/523436, 22-SEP-1995 US 08/533634 PR
22-MAR-1996 US	08/620874, 05-JUN-1996 US 08/659683 PR
12-JUL-1996 US	08/680574
PI	STEVEN G REED, YASIR A W SKEIKY, DAVIN C DILLON, ANTONIO CAMPOS NETO,
PI	RAYMOND Houghton, Thomas H VEDVICK, DANIEL R TWARDZIK PC
C12N15/31, C07K14/35, A61K38/16, C12N15/62, G01N33/569, C12Q1/68, PC	
C12N5/10,	
PC	C12N1/21//A61K39/04, C12N1/21, C12R1:19)
CC	Strandedness: Single;
CC	Topology: linear;
CC	Compounds and methods for immunotherapy and diagnosis of CC tuberculosis
FH	Key
FT	source
FT	1..327
FT	Location/Qualifiers
FT	'Location/Qualifiers
FEATURES	
SOURCE	1..327
	/organism='unidentified'
	/mol_type='genomic DNA'
	/db_xref='taxon:32644'
BASE COUNT	79 a 95 c 11 g 42 t

Query Match	100.0%;	Score 327;	DB 6;	Length 327;
Best Local Similarity	100.0%;	Pred. No. 3.2e-55;		
Matches 327; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CGGCACAGAGACCGATGCGGTACCTCCGCGAGAGAGCAGGTATTTCGAGCGGATCT	60	
Db	1	CGGCACAGAGACCGATGCGGTACCTCCGCGAGAGAGCAGGTATTTCGAGCGGATCT	60	
Qy	61	CCGGCGACCTGAAACCAGATGCACCGGTGAGTCGACGGCAGGTTCTTGACGGGCC	120	
Db	61	CCGGCGACCTGAAACCAGATGCACCGGTGAGTCGACGGCAGGTTCTTGACGGGCC	120	

[illegible]

QY 190 AGAAGCAGAACTCGACGAGATCTCGACGAATATTGTCAGGCCGCGCTCAATACTCGA 249
Db 1412 AGAAGCAGAACTCGACGAGATCTCGACGAATATTGTCAGGCCGCGCTCAATACTCGA 1471
QY 250 GGGCCGACGAGACGACGAGCGCTGTCCTCGCAAAATGGGCTTTCAGCCCGCTATA 309
Db 1472 GGGCCGACGAGACGACGAGCGCTGTCCTCGCAAAATGGGCTTTCAGCCCGCTATA 1531
QY 310 CGAAAAGAAACGAGCAA 327
Db 1532 CGAAAAGAAACGAGCAA 1549
RESULT 11
ARI82498 1616 bp DNA linear PAT 20-APR-2002
LOCUS ARI82498
DEFINITION Sequence 107 from patent US 633852.
ACCESSION ARI82498
VERSION ARI82498.1 GI:20225705
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1616)
AUTHORS Reed,S.G., Skeiky,Y.A.W., Dillon,D.C., Campos-Neto,A., Houghton,R.,
Vedvick,T.S. and Twardzik,D.R.
TITLE Compounds and methods for diagnosis of tuberculosis
JOURNAL Patent: US 633852-A 107 15-JAN-2002;
FEATURES
Location/Qualifiers
1..1616
/organism="unknown"
BASE COUNT 331 a 501 c 550 g 234 t
ORIGIN
Query Match 97.2%; Score 318; DB 6; Length 1616;
Best Local Similarity 100.0%; Pred. No. 1.5e-53;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 10 AGACCGATGCGCTACCTCGCGCAGAGAGCGAGTAATTTTCAGCGGATCTCCGGCAGC 69
Db 1232 AGACCGATGCGCTACCTCGCGCAGAGAGCGAGTAATTTTCAGCGGATCTCCGGCAGC 1291
QY 70 TGAAGACCCAGATCGACGAGTGTGAGTCGACGCGAGGTTGCTTCAGCGCCAGTGGCGCG 129
Db 1292 TGAAGACCCAGATCGACGAGTGTGAGTCGACGCGAGGTTGCTTCAGCGCCAGTGGCGCG 1351
QY 130 GCGCGCGGGGAGCGCGCCCGCCAGCGCGCTGTCCTTCAGGAAGCAGCAATTAAGC 189
Db 1352 GCGCGCGGGGAGCGCGCCCGCCAGCGCGCTGTCCTTCAGGAAGCAGCAATTAAGC 1411
QY 190 AGAAGCAGAACTCGACGAGATCTCGACGAATATTGTCAGGCCGCGCTCAATACTCGA 249
Db 1412 AGAAGCAGAACTCGACGAGATCTCGACGAATATTGTCAGGCCGCGCTCAATACTCGA 1471
QY 250 GGGCCGACGAGACGACGAGCGCTGTCCTCGCAAAATGGGCTTTCAGCCCGCTATA 309
Db 1472 GGGCCGACGAGACGACGAGCGCTGTCCTCGCAAAATGGGCTTTCAGCCCGCTATA 1531
QY 310 CGAAAAGAAACGAGCAA 327
Db 1532 CGAAAAGAAACGAGCAA 1549
RESULT 12
ARI94881 1616 bp DNA linear PAT 20-APR-2002
LOCUS ARI94881
DEFINITION Sequence 112 from patent US 6350456.
ACCESSION ARI94881
VERSION ARI94881.1 GI:20244318
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.

REFERENCE 1 (bases 1 to 1616)
AUTHORS Reed,S.G., Skeiky,Y.A.W. and Dillon,D.C.
TITLE Compounds and methods for the prevention and treatment of M.
JOURNAL tuberculosis infection
Patent: US 6350456-A 112 26-FEB-2002;
FEATURES
Location/Qualifiers
1..1616
/organism="unknown"
BASE COUNT 331 a 501 c 550 g 234 t
ORIGIN
Query Match 97.2%; Score 318; DB 6; Length 1616;
Best Local Similarity 100.0%; Pred. No. 1.5e-53;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 10 AGACCGATGCGCTACCTCGCGCAGAGAGCGAGTAATTTTCAGCGGATCTCCGGCAGC 69
Db 1232 AGACCGATGCGCTACCTCGCGCAGAGAGCGAGTAATTTTCAGCGGATCTCCGGCAGC 1291
QY 70 TGAAGACCCAGATCGACGAGTGTGAGTCGACGCGAGGTTGCTTCAGCGCCAGTGGCGCG 129
Db 1292 TGAAGACCCAGATCGACGAGTGTGAGTCGACGCGAGGTTGCTTCAGCGCCAGTGGCGCG 1351
QY 130 GCGCGCGGGGAGCGCGCCCGCCAGCGCGCTGTCCTTCAGGAAGCAGCAATTAAGC 189
Db 1352 GCGCGCGGGGAGCGCGCCCGCCAGCGCGCTGTCCTTCAGGAAGCAGCAATTAAGC 1411
QY 190 AGAAGCAGAACTCGACGAGATCTCGACGAATATTGTCAGGCCGCGCTCAATACTCGA 249
Db 1412 AGAAGCAGAACTCGACGAGATCTCGACGAATATTGTCAGGCCGCGCTCAATACTCGA 1471
QY 250 GGGCCGACGAGACGACGAGCGCTGTCCTCGCAAAATGGGCTTTCAGCCCGCTATA 309
Db 1472 GGGCCGACGAGACGACGAGCGCTGTCCTCGCAAAATGGGCTTTCAGCCCGCTATA 1531
QY 310 CGAAAAGAAACGAGCAA 327
Db 1532 CGAAAAGAAACGAGCAA 1549
RESULT 13
AR233153 1616 bp DNA linear PAT 20-DEC-2002
LOCUS AR233153
DEFINITION Sequence 107 from patent US 6458366.
ACCESSION AR233153
VERSION AR233153.1 GI:27275589
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1616)
AUTHORS Reed,S.G., Skeiky,Y.A.W., Dillon,D.C., Campos-Neto,A., Houghton,R.,
Vedvick,T.S., Twardzik,D.R., Lodes,M.J. and Hendrickson,R.C.
TITLE Compounds and methods for diagnosis of tuberculosis
JOURNAL Patent: US 6458366-A 107 01-OCT-2002;
FEATURES
Location/Qualifiers
1..1616
/organism="unknown"
BASE COUNT 331 a 501 c 550 g 234 t
ORIGIN
Query Match 97.2%; Score 318; DB 6; Length 1616;
Best Local Similarity 100.0%; Pred. No. 1.5e-53;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 10 AGACCGATGCGCTACCTCGCGCAGAGAGCGAGTAATTTTCAGCGGATCTCCGGCAGC 69
Db 1232 AGACCGATGCGCTACCTCGCGCAGAGAGCGAGTAATTTTCAGCGGATCTCCGGCAGC 1291
QY 70 TGAAGACCCAGATCGACGAGTGTGAGTCGACGCGAGGTTGCTTCAGCGCCAGTGGCGCG 129
Db 1292 TGAAGACCCAGATCGACGAGTGTGAGTCGACGCGAGGTTGCTTCAGCGCCAGTGGCGCG 1351

Qy	130	GGCGGCGGGGACGAGCCGCCGAGCCGGGTGTGTCGCTTCCAGAAACACCTAATAGC	189
Db	1352	GGCGGCGGGGACGAGCCGCCGAGCCGGGTGTGTCGCTTCCAGAAACACCTAATAGC	1411
Qy	190	AGAGCAGGAACTCGACGAGATCTTCGACGAATATTCGTCAAGCCGCGCTCCAAATCTCGA	249
Db	1412	AGAGCAGGAACTCGACGAGATCTTCGACGAATATTCGTCAAGCCGCGCTCCAAATCTCGA	1471
Qy	250	GGGCGGACGAGAGCAGAGCGGCTGTCTCGCAAATGGGGCTTCGACCCGCTAATA	309
Db	1472	GGGCGGACGAGAGCAGAGCGGCTGTCTCGCAAATGGGGCTTCGACCCGCTAATA	1531
Qy	310	CGAAAGAAACGAGCAA	327
Db	1532	CGAAAGAAACGAGCAA	1549

RESULT 14					
LOCUS	AX429704	1616 bp	DNA	linear	PAT 21-JUN-2002
DEFINITION	Sequence 112 from Patent EP1203817.				
ACCESSION	AX429704				
VERSION	AX429704.1	GI:21540901			
KEYWORDS					
SOURCE					
ORGANISM		unidentified			
		unidentified			
		unclassified.			
REFERENCE	1				
AUTHORS	Reed,S.G., Skeiky,Y.A., Dillon,D.C., Campos-Neto,A., Houghton,R.L., Vedvick,T.S. and Twardzik,D.R.				
TITLE	Compounds and methods for immunotherapy and diagnosis of tuberculosis				
JOURNAL	Patent: EP 1203817-A 112 08-MAY-2002;				
FEATURES	CORIXA CORPORATION (US)				
source	Location/Qualifiers				
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	/organism="unidentified"				
	/mol_type="genomic DNA"				
	/db_xref="taxon:32644"				
BASE COUNT	331 a	501 c	550 g	234 t	
ORIGIN					

	Query Match Best Local Similarity	97.2%;	Score 318;	DB 6;	Length 1616;	
	Matches 318;	Conservative	0;	Mismatches	0;	Indels
						Gaps
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QY	10	AGACCGATGCGCGTACCTTCGCGCAGAGGAGGATATTTGAGCGCATCTTCGCGCAC	69			
Db	1232	AGACCGATGCGCGTACCTTCGCGCAGAGGAGGATATTTGAGCGCATCTTCGCGCAC	1291			
QY	70	TGAAATCCCAATGCAACGAGTGCAGTGCAGCGCAGGTTGCTTGCAGGGCTCAGTGGCCGC	129			
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Db	1352	GCGGGCGGGGACGGCGCGCCAGGCGCGGCGTGCCTTCAGAAACAGCAATATAGC	1411			
QY	190	AGAAAGCAAGAACTCGACGAGATCTTCAGCAATATTTGTCAGGCGCGGCTCCAACTCTCGA	249			
Db	1412	AGAAAGCAAGAACTCGACGAGATCTTCAGCAATATTTGTCAGGCGCGGCTCCAACTCTCGA	1471			
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RESULT 15
BD0006381

LOCUS	BD006381	1616 bp	DNA	linear	PAT 31-JAN-2002
DEFINITION	Compounds and methods for diagnosis of Tuberculosis.				
ACCESSION	BD006381				
VERSION	BD006381.1	GI:18634752			
KEYWORDS	JP 2001500383-A/60.				
SOURCE	unidentified				
ORGANISM	unidentified				
REFERENCE	unclassified.				
AUTHORS	1 (bases 1 to 1616)				
	Reed,S.G., Skelky,Y.A.W., Dillon,D.C., Neco,A.C., Houghton,R.,				
	Vedvick,T.S., Twardzik,D.R. and Lodes,M.J.				
TITLE	Compounds and methods for diagnosis of Tuberculosis				
JOURNAL	Patent: JP 2001500383-A 60 16-JAN-2001;				
	CORIXA CORP				
COMMENT	OS Unidentified				
	DN JP 2001500383 A/60				

```

PF      07-OCT-1997 JP 1598518422          08/81811 PI
PR      11-OCT-1996 US 08/726622,13-MAR-1997 US
STEVEN G REED,YASIR A W SKEIKY,DAVIN C DILLON, PI ANTONIO CAMPOS
NETO,
PI      RAYMOND HOUGHTON,THOMAS S VEDVYICK,DANIEL R TWARDZIK, PI
MICHAEL J LODES
PC      C12N15/31,C07K14/35,C07K16/12,C1201/68,C12N15/62,GO1N33/53 CC
Strandedness: Single;
CC      Topology: linear;
PH      Key      Location/Qualifiers
FT      source    1..1616
FT              /organism='Unidentified'.

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BASE COUNT	331 a	501 c	550 g
ORIGIN			234 t
Query Match	97.2%;	Score 318;	DB 6;
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Matches 318;	Conservative 0;	Mismatches 0;	Indels 0; Gaps 0;
Qy	10	AGACCGATGCCGCTAACCTTGCCGGACAGAGACGACAGTATTTCGACCGCATCTCCGGCGCAC	69
Db	1232	AGACCGATGCCGCTAACCTTGCCGGACAGAGACGACAGTATTTCGACCGCATCTCCGGCGCAC	1291
Qy	70	TGAAAACCCAGATGCACAGGTGAGTCGACCGCAGAGTTGCTTGCAGGGCCAGTGGCGCG	129
Db	1292	TGAAAACCCAGATGCACAGGTGAGTCGACCGCAGAGTTGCTTGCAGGGCCAGTGGCGCG	1351
Qy	130	GCGCGCGGGGAGCGGCGGCCAGGCGCGGTGTCGCGCTTCAGAAACGACCATAAAGC	189
Db	1352	GCGCGCGGGGAGCGGCGGCCAGGCGCGGTGTCGCGCTTCAGAAACGACCATAAAGC	1411
Qy	190	AGAAGCAGGAACCTGCACGAGATCTCGACGAAATATTGTCAGAGCCGGGCGTCCAATACTCGA	249
Db	1412	AGAAGCAGGAACCTGCACGAGATCTCGACGAAATATTGTCAGAGCCGGGCGTCCAATACTCGA	1471
Qy	250	GAGCGCAGCAGAGACGACGAGCGGTGTCCTTCGCAATAGGCTTCTGACCCGCTAATA	309
Db	1472	GAGCGCGACGAGACGACGAGCGGTGTCCTTCGCAATAGGCTTCTGACCCGCTAATA	1531
Qy	310	CGAAAGAAACGAGCAA	327
Db	1532	CGAAAGAAACGAGCAA	1549

Search completed: January 15, 2004, 06:42:23
Job time : 1611 secs

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***** STN Columbus *****

=> file biosis,caba,caplus,embase,japio,lifesci,medline,scisearch,uspatfull

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E2 1 REED STEVE M/AU
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E11 1 REED STEVEN IRA/AU
E12 4 REED STEVEN J/AU

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PROCESSING COMPLETED FOR L1

L2 111 DUP REM L1 (24 DUPLICATES REMOVED)

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L3 5 L2 AND TB38?

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:265269 CAPLUS

DN 134:309685

TI Fusion proteins of Mycobacterium ***tuberculosis***

IN Skeiky, Yasir; ***Reed, Steven*** ; Houghton, Raymond L.; Mcneill,
Patricia D.; Dillon, Davin C.; Lodes, Michael L.

PA Corixa Corporation, USA

SO PCT Int. Appl., 168 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2001024820 A1 20010412 WO 2000-US28095 20001010

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,

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DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1229931 A1 20020814 EP 2000-970785 20001010
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL
PRAI US 1999-158338P P 19991007
US 1999-158425P P 19991007
WO 2000-US28095 W 20001010

AB The present invention relates to fusion proteins contg. at least two
Mycobacterium species antigens. In particular, it relates to nucleic
acids encoding fusion proteins that include two or more individual M.
tuberculosis antigens, which increase serol. sensitivity of sera
from individuals infected with ***tuberculosis***, and methods for
their use in the diagnosis, treatment, and prevention of
tuberculosis infection.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:549126 CAPLUS

DN 131:183862

TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis

IN ***Reed, Steven G.*** ; Skeiky, Yasir A. W.; Dillon, Davin C.;
Campos-Neto, Antonio; Houghton, Raymond; Vedvick, Thomas S.; Twardzik,
Daniel R.; Lodes, Michael J.; Hendrickson, Ronald C.

PA Corixa Corporation, USA

SO PCT Int. Appl., 299 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9942076	A2	19990826	WO 1999-US3268	19990217
WO 9942076	A3	19991014		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6592877	B1	20030715	US 1998-72967	19980505
CA 2337638	AA	19990826	CA 1999-2337638	19990217
AU 9927663	A1	19990906	AU 1999-27663	19990217
EP 1071451	A2	20010131	EP 1999-908169	19990217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002503683	T2	20020205	JP 2000-532093	19990217
ZA 9901303	A	20000315	ZA 1999-1303	19990218
AU 765833	B2	20031002	AU 2000-71762	20001122
PRAI US 1998-25197	A	19980218		
US 1998-72967	A	19980505		

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US 1995-523436 B2 19950901
 US 1995-533634 B2 19950922
 US 1996-620874 B2 19960322
 US 1996-659683 B2 19960605
 US 1996-680574 B2 19960712
 WO 1996-US14674 B2 19960830
 AU 1996-71586 A3 19960930
 US 1996-730510 B2 19961011
 US 1997-818112 A2 19970313
 US 1997-942578 B2 19971001
 WO 1999-US3268 W 19990217

AB Comps. and methods for inducing protective immunity against
 tuberculosis are disclosed. The comps. provided include
 polypeptides that contain at least one immunogenic portion of one or more
 Mycobacterium ***tuberculosis*** proteins and DNA mols. encoding such
 polypeptides. Such comps. may be formulated into vaccines and/or
 pharmaceutical comps. for immunization against M. ***tuberculosis***
 infection, or may be used for the diagnosis of ***tuberculosis*** .

L3 ANSWER 3 OF 5 USPATFULL on STN
 AN 2003:213274 USPATFULL
 TI Fusion proteins of mycobacterium ***tuberculosis*** antigens and
 their uses
 IN ***Reed, Steven G.*** , Bellevue, WA, UNITED STATES
 Skeiky, Yasir A., Bellevue, WA, UNITED STATES
 Dillon, Davin C., Redmond, WA, UNITED STATES
 Alderson, Mark, Bainbridge, WA, UNITED STATES
 Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
 PA Corixa Corporation, Seattle, WA (U.S. corporation)
 PI US 2003147911 A1 20030807
 AI US 2003-359460 A1 20030205 (10)
 RLI Continuation of Ser. No. US 1999-287849, filed on 7 Apr 1999, ABANDONED
 Continuation-in-part of Ser. No. US 1998-223040, filed on 30 Dec 1998,
 GRANTED, Pat. No. US 6544522 Continuation-in-part of Ser. No. US
 1998-56556, filed on 7 Apr 1998, GRANTED, Pat. No. US 6350456
 Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
 ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
 Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
 filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969
 DT Utility
 FS APPLICATION
 LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
 FLOOR, SAN FRANCISCO, CA, 94111-3834
 CLMN Number of Claims: 13
 ECL Exemplary Claim: 1
 DRWN 68 Drawing Page(s)
 LN.CNT 3971
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to fusion proteins containing at least two
 Mycobacterium ***tuberculosis*** antigens. In particular, it relates
 to bi-fusion proteins which contain two individual M.
 tuberculosis antigens, tri-fusion proteins which contain three
 M. ***tuberculosis*** antigens, tetra-fusion proteins which contain
 four M. ***tuberculosis*** antigens, and penta-fusion proteins which
 contain five M. ***tuberculosis*** antigens, and methods for their

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use in the diagnosis, treatment and prevention of ***tuberculosis***
infection.

L3 ANSWER 4 OF 5 USPATFULL on STN

AN 2003:206886 USPATFULL

TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis

IN ***Reed, Steven G.***, Bellevue, WA, UNITED STATES

Skeiky, Yasir A.W., Seattle, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

Houghton, Raymond, Bothell, WA, UNITED STATES

Vedvick, Thomas S., Federal Way, WA, UNITED STATES

Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES

Lodes, Michael J., Seattle, WA, UNITED STATES

Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA (U.S. corporation)

PI US 2003143243 A1 20030731

AI US 2002-84843 A1 20020225 (10)

RLI Continuation of Ser. No. US 1998-72967, filed on 5 May 1998, PENDING
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969 Continuation-in-part
of Ser. No. US 1996-730510, filed on 11 Oct 1996, ABANDONED
Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996,
ABANDONED Continuation-in-part of Ser. No. US 1996-659683, filed on 5
Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620874,
filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US
1995-533634, filed on 22 Sep 1995, ABANDONED Continuation-in-part of
Ser. No. US 1995-523436, filed on 1 Sep 1995, ABANDONED

PRAI WO 1996-US14674 19960830

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 37

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9257

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for inducing protective immunity against
tuberculosis are disclosed. The compounds provided include
polypeptides that contain at least one immunogenic portion of one or
more M. ***tuberculosis*** proteins and DNA molecules encoding such
polypeptides. Such compounds may be formulated into vaccines and/or
pharmaceutical compositions for immunization against M.
tuberculosis infection, or may be used for the diagnosis of
tuberculosis.

L3 ANSWER 5 OF 5 USPATFULL on STN

AN 2003:195215 USPATFULL

TI Compounds and methods for diagnosis of ***tuberculosis***

IN ***Reed, Steven G.***, Bellevue, WA, UNITED STATES

Skeiky, Yasir A.W., Seattle, WA, UNITED STATES

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Dillon, Davin C., Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

PI US 2003135026 A1 20030717

AI US 2002-193002 A1 20020710 (10)

RLI Continuation of Ser. No. US 1998-72596, filed on 5 May 1998, GRANTED,
Pat. No. US 6458366 Continuation-in-part of Ser. No. US 1998-24753,
filed on 18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US
1997-942341, filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser.
No. US 1997-818111, filed on 13 Mar 1997, GRANTED, Pat. No. US 6338852
Continuation-in-part of Ser. No. US 1996-729622, filed on 11 Oct 1996,
ABANDONED A 371 of International Ser. No. WO 1996-US14675, filed on 30
Aug 1996, PENDING A 371 of International Ser. No. US 1996-680574, filed
on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US
1996-658800, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser.
No. US 1996-620280, filed on 22 Mar 1996, ABANDONED Continuation-in-part
of Ser. No. US 1995-532136, filed on 22 Sep 1995, ABANDONED Continuation
of Ser. No. US 1995-523435, filed on 1 Sep 1995, ABANDONED

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 54

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** are
disclosed. The compounds provided include polypeptides that contain at
least one antigenic portion of one or more M. ***tuberculosis***
proteins, and DNA sequences encoding such polypeptides. Diagnostic kits
containing such polypeptides or DNA sequences and a suitable detection
reagent may be used for the detection of M. ***tuberculosis***
infection in patients and biological samples. Antibodies directed
against such polypeptides are also provided.

=> e skeiky yasir/au

E1 42 SKEIKY Y A/AU

E2 203 SKEIKY Y A W/AU

E3 17 --> SKEIKY YASIR/AU

E4 13 SKEIKY YASIR A/AU

E5 231 SKEIKY YASIR A W/AU

E6 1 SKEIKY YASIR AW/AU

E7 1 SKEIKY YASSIR A/AU

E8 4 SKEIL D/AU

E9 8 SKEIL D A/AU

E10 6 SKEIL D D/AU

E11 2 SKEIM P/AU

E12 1 SKEIN E V/AU

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=> s e1-e7 and tuberculosis

L4 192 ("SKEIKY Y A"/AU OR "SKEIKY Y A W"/AU OR "SKEIKY YASIR"/AU OR
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=> dup rem l4

PROCESSING COMPLETED FOR L4

L5 100 DUP REM L4 (92 DUPLICATES REMOVED)

=> s l5 and tb38?

L6 7 L5 AND TB38?

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 7 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:265269 CAPLUS

DN 134:309685

TI Fusion proteins of Mycobacterium ***tuberculosis***

IN ***Skeiky, Yasir*** ; Reed, Steven; Houghton, Raymond L.; McNeill,
Patricia D.; Dillon, Davin C.; Lodes, Michael L.

PA Corixa Corporation, USA

SO PCT Int. Appl., 168 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2001024820	A1	20010412	WO 2000-US28095	20001010
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1229931	A1	20020814	EP 2000-970785	20001010
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRAI	US 1999-158338P	P	19991007		
	US 1999-158425P	P	19991007		
	WO 2000-US28095	W	20001010		

AB The present invention relates to fusion proteins contg. at least two
Mycobacterium species antigens. In particular, it relates to nucleic
acids encoding fusion proteins that include two or more individual M.
tuberculosis antigens, which increase serol. sensitivity of sera
from individuals infected with ***tuberculosis***, and methods for
their use in the diagnosis, treatment, and prevention of
tuberculosis infection.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L6 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:549126 CAPLUS

DN 131:183862

TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis

IN Reed, Steven G.; ***Skeiky, Yasir A. W.*** ; Dillon, Davin C.;
Campos-Neto, Antonio; Houghton, Raymond; Vedvick, Thomas S.; Twardzik,
Daniel R.; Lodes, Michael J.; Hendrickson, Ronald C.

PA Corixa Corporation, USA

SO PCT Int. Appl., 299 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9942076	A2	19990826	WO 1999-US3268	19990217
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WO 9942076	A3	19991014		
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W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6592877	B1	20030715	US 1998-72967	19980505
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CA 2337638	AA	19990826	CA 1999-2337638	19990217
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AU 9927663	A1	19990906	AU 1999-27663	19990217
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EP 1071451	A2	20010131	EP 1999-908169	19990217
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

JP 2002503683	T2	20020205	JP 2000-532093	19990217
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ZA 9901303	A	20000315	ZA 1999-1303	19990218
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AU 765833	B2	20031002	AU 2000-71762	20001122
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PRAI US 1998-25197 A 19980218

US 1998-72967	A	19980505		
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US 1995-523436	B2	19950901		
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US 1995-533634	B2	19950922		
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US 1996-620874	B2	19960322		
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US 1996-659683	B2	19960605		
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US 1996-680574	B2	19960712		
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WO 1996-US14674	B2	19960830		
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AU 1996-71586	A3	19960930		
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US 1996-730510	B2	19961011		
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US 1997-818112	A2	19970313		
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US 1997-942578	B2	19971001		
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WO 1999-US3268	W	19990217		
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AB Compds. and methods for inducing protective immunity against

tuberculosis are disclosed. The compds. provided include
polypeptides that contain at least one immunogenic portion of one or more
Mycobacterium ***tuberculosis*** proteins and DNA mols. encoding such
polypeptides. Such compds. may be formulated into vaccines and/or
pharmaceutical compns. for immunization against M. ***tuberculosis***

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infection, or may be used for the diagnosis of ***tuberculosis*** .

L6 ANSWER 3 OF 7 USPATFULL on STN

AN 2003:250508 USPATFULL

TI Heterologous fusion protein constructs comprising a Leishmania antigen

IN ***Skeiky, Yasir*** , Bellevue, WA, UNITED STATES

Brannon, Mark, Seattle, WA, UNITED STATES

Guderian, Jeffrey, Lynwood, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES (U.S. corporation)

PI US 2003175294 A1 20030918

AI US 2002-98732 A1 20020313 (10)

PRAI US 2001-275837P 20010313 (60)

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH

FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 82

ECL Exemplary Claim: 1

DRWN 10 Drawing Page(s)

LN.CNT 6952

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a recombinant nucleic acid molecule encoding a fusion polypeptide, wherein the recombinant nucleic acid comprises a heterologous polynucleotide sequence encoding an antigen or an antigenic fragment, and a Leishmania polynucleotide sequence encoding a polypeptide or fragment thereof, wherein the Leishmania polynucleotide is selected from the group consisting of TSA polynucleotide, LeIF polynucleotide, M15 polynucleotide, and 6H polynucleotide. The invention also provides an expression cassette comprising the recombinant nucleic acid molecule, host cells comprising the expression cassette, compositions, fusion polypeptides, and methods of their use in diagnosis or in generating a protective immune response in hosts.

L6 ANSWER 4 OF 7 USPATFULL on STN

AN 2003:213274 USPATFULL

TI Fusion proteins of mycobacterium ***tuberculosis*** antigens and their uses

IN Reed, Steven G., Bellevue, WA, UNITED STATES

Skeiky, Yasir A. , Bellevue, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Alderson, Mark, Bainbridge, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA (U.S. corporation)

PI US 2003147911 A1 20030807

AI US 2003-359460 A1 20030205 (10)

RLI Continuation of Ser. No. US 1999-287849, filed on 7 Apr 1999, ABANDONED

Continuation-in-part of Ser. No. US 1998-223040, filed on 30 Dec 1998,

GRANTED, Pat. No. US 6544522 Continuation-in-part of Ser. No. US

1998-56556, filed on 7 Apr 1998, GRANTED, Pat. No. US 6350456

Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,

ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1

Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,

filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969

DT Utility

FS APPLICATION

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LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN 68 Drawing Page(s)

LN.CNT 3971

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to fusion proteins containing at least two
Mycobacterium ***tuberculosis*** antigens. In particular, it relates
to bi-fusion proteins which contain two individual M.
tuberculosis antigens, tri-fusion proteins which contain three
M. ***tuberculosis*** antigens, tetra-fusion proteins which contain
four M. ***tuberculosis*** antigens, and penta-fusion proteins which
contain five M. ***tuberculosis*** antigens, and methods for their
use in the diagnosis, treatment and prevention of ***tuberculosis***
infection.

L6 ANSWER 5 OF 7 USPATFULL on STN

AN 2003:206886 USPATFULL

TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis

IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

Houghton, Raymond, Bothell, WA, UNITED STATES

Vedvick, Thomas S., Federal Way, WA, UNITED STATES

Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES

Lodes, Michael J., Seattle, WA, UNITED STATES

Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA (U.S. corporation)

PI US 2003143243 A1 20030731

AI US 2002-84843 A1 20020225 (10)

RLI Continuation of Ser. No. US 1998-72967, filed on 5 May 1998, PENDING
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969 Continuation-in-part
of Ser. No. US 1996-730510, filed on 11 Oct 1996, ABANDONED
Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996,
ABANDONED Continuation-in-part of Ser. No. US 1996-659683, filed on 5
Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620874,
filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US
1995-533634, filed on 22 Sep 1995, ABANDONED Continuation-in-part of
Ser. No. US 1995-523436, filed on 1 Sep 1995, ABANDONED

PRAI WO 1996-US14674 19960830

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 37

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9257

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

THIS PAGE BLANK (US. TO)

AB Compounds and methods for inducing protective immunity against ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one immunogenic portion of one or more M. ***tuberculosis*** proteins and DNA molecules encoding such polypeptides. Such compounds may be formulated into vaccines and/or pharmaceutical compositions for immunization against M. ***tuberculosis*** infection, or may be used for the diagnosis of ***tuberculosis***.

L6 ANSWER 6 OF 7 USPATFULL on STN

AN 2003:195215 USPATFULL

TI Compounds and methods for diagnosis of ***tuberculosis***

IN Reed, Steven G., Bellevue, WA, UNITED STATES

Skeiky, Yasir A.W., Seattle, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

Houghton, Raymond, Bothell, WA, UNITED STATES

Vedvick, Thomas S., Federal Way, WA, UNITED STATES

Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES

Lodes, Michael J., Seattle, WA, UNITED STATES

Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

PI US 2003135026 A1 20030717

AI US 2002-193002 A1 20020710 (10)

RLI Continuation of Ser. No. US 1998-72596, filed on 5 May 1998, GRANTED, Pat. No. US 6458366 Continuation-in-part of Ser. No. US 1998-24753, filed on 18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US 1997-942341, filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818111, filed on 13 Mar 1997, GRANTED, Pat. No. US 6338852 Continuation-in-part of Ser. No. US 1996-729622, filed on 11 Oct 1996, ABANDONED A 371 of International Ser. No. WO 1996-US14675, filed on 30 Aug 1996, PENDING A 371 of International Ser. No. US 1996-680574, filed on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-658800, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620280, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1995-532136, filed on 22 Sep 1995, ABANDONED Continuation of Ser. No. US 1995-523435, filed on 1 Sep 1995, ABANDONED

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 54

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one antigenic portion of one or more M. ***tuberculosis*** proteins, and DNA sequences encoding such polypeptides. Diagnostic kits containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of M. ***tuberculosis*** infection in patients and biological samples. Antibodies directed against such polypeptides are also provided.

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L6 ANSWER 7 OF 7 USPATFULL on STN
AN 2002:185292 USPATFULL
TI Compounds and methods for diagnosis and immunotherapy of
tuberculosis
IN Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Skeiky, Yasir, Seattle, WA, UNITED STATES
Ovendale, Pamela, Everett, WA, UNITED STATES
Jen, Shyian, Seattle, WA, UNITED STATES
Lodes, Michael, Seattle, WA, UNITED STATES
PI US 2002098200 A1 20020725
AI US 2001-793306 A1 20010226 (9)
PRAI US 2000-223828P 20000808 (60)
US 2000-185037P 20000225 (60)
DT Utility
FS APPLICATION
LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834
CLMN Number of Claims: 51
ECL Exemplary Claim: 1
DRWN 18 Drawing Page(s)
LN.CNT 6182
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compounds and methods for diagnosing ***tuberculosis*** or for
inducing protective immunity against ***tuberculosis*** are
disclosed. The compounds provided include polypeptides that contain at
least one immunogenic portion of one or more Mycobacterium proteins and
DNA molecules encoding such polypeptides. Diagnostic kits containing
such polypeptides or DNA sequences and a suitable detection reagent may
be used for the detection of Mycobacterium infection in patients and
biological samples. Antibodies directed against such polypeptides are
also provided. In addition, such compounds may be formulated into
vaccines and/or pharmaceutical compositions for immunization against
Mycobacterium infection.

=> e dillon davin/au

E1 1 DILLON DAVID MICHAEL/AU
E2 1 DILLON DAVID S/AU
E3 7 --> DILLON DAVIN/AU
E4 233 DILLON DAVIN C/AU
E5 2 DILLON DAVIN CLIFFORD/AU
E6 24 DILLON DEBORAH/AU
E7 12 DILLON DEBORAH A/AU
E8 9 DILLON DEBORAH L/AU
E9 3 DILLON DEBRA W/AU
E10 2 DILLON DECEASED JOHN B/AU
E11 1 DILLON DECEASED JOHN BRADLY/AU
E12 10 DILLON DEIRDRE A/AU

=> s e3-e5 and tuberculosis

L7 113 ("DILLON DAVIN"/AU OR "DILLON DAVIN C"/AU OR "DILLON DAVIN CLIFF
ORD"/AU) AND TUBERCULOSIS

=> dup rem l7

PROCESSING COMPLETED FOR L7

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L8 94 DUP REM L7 (19 DUPLICATES REMOVED)

=> s l8 and tb38?

L9 5 L8 AND TB38?

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L9 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:265269 CAPLUS

DN 134:309685

TI Fusion proteins of Mycobacterium ***tuberculosis***

IN Skeiky, Yasir; Reed, Steven; Houghton, Raymond L.; Mcneill, Patricia D.;

Dillon, Davin C. ; Lodes, Michael L.

PA Corixa Corporation, USA

SO PCT Int. Appl., 168 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2001024820	A1	20010412	WO 2000-US28095	20001010
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1229931	A1	20020814	EP 2000-970785	20001010
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL

PRAI US 1999-158338P P 19991007

US 1999-158425P P 19991007

WO 2000-US28095 W 20001010

AB The present invention relates to fusion proteins contg. at least two

Mycobacterium species antigens. In particular, it relates to nucleic acids encoding fusion proteins that include two or more individual M.

tuberculosis antigens, which increase serol. sensitivity of sera from individuals infected with ***tuberculosis***, and methods for their use in the diagnosis, treatment, and prevention of

tuberculosis infection.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:549126 CAPLUS

DN 131:183862

TI Compounds and methods for immunotherapy and diagnosis of

tuberculosis

IN Reed, Steven G.; Skeiky, Yasir A. W.; ***Dillon, Davin C.*** ;

Campos-Neto, Antonio; Houghton, Raymond; Vedvick, Thomas S.; Twardzik,

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Daniel R.; Lodes, Michael J.; Hendrickson, Ronald C.

PA Corixa Corporation, USA

SO PCT Int. Appl., 299 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9942076	A2	19990826	WO 1999-US3268	19990217
WO 9942076	A3	19991014		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6592877	B1	20030715	US 1998-72967	19980505
CA 2337638	AA	19990826	CA 1999-2337638	19990217
AU 9927663	A1	19990906	AU 1999-27663	19990217
EP 1071451	A2	20010131	EP 1999-908169	19990217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002503683	T2	20020205	JP 2000-532093	19990217
ZA 9901303	A	20000315	ZA 1999-1303	19990218
AU 765833	B2	20031002	AU 2000-71762	20001122
PRAI US 1998-25197	A	19980218		
US 1998-72967	A	19980505		
US 1995-523436	B2	19950901		
US 1995-533634	B2	19950922		
US 1996-620874	B2	19960322		
US 1996-659683	B2	19960605		
US 1996-680574	B2	19960712		
WO 1996-US14674	B2	19960830		
AU 1996-71586	A3	19960930		
US 1996-730510	B2	19961011		
US 1997-818112	A2	19970313		
US 1997-942578	B2	19971001		
WO 1999-US3268	W	19990217		

AB Comps. and methods for inducing protective immunity against ***tuberculosis*** are disclosed. The comps. provided include polypeptides that contain at least one immunogenic portion of one or more Mycobacterium ***tuberculosis*** proteins and DNA mols. encoding such polypeptides. Such comps. may be formulated into vaccines and/or pharmaceutical comps. for immunization against M. ***tuberculosis*** infection, or may be used for the diagnosis of ***tuberculosis***.

L9 ANSWER 3 OF 5 USPATFULL on STN

AN 2003:213274 USPATFULL

TI Fusion proteins of mycobacterium ***tuberculosis*** antigens and their uses

IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A., Bellevue, WA, UNITED STATES

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Dillon, Davin C. , Redmond, WA, UNITED STATES
Alderson, Mark, Bainbridge, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
PA Corixa Corporation, Seattle, WA (U.S. corporation)
PI US 2003147911 A1 20030807
AI US 2003-359460 A1 20030205 (10)
RLI Continuation of Ser. No. US 1999-287849, filed on 7 Apr 1999, ABANDONED
Continuation-in-part of Ser. No. US 1998-223040, filed on 30 Dec 1998,
GRANTED, Pat. No. US 6544522 Continuation-in-part of Ser. No. US
1998-56556, filed on 7 Apr 1998, GRANTED, Pat. No. US 6350456
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969
DT Utility
FS APPLICATION
LREF TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 68 Drawing Page(s)
LN.CNT 3971
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to fusion proteins containing at least two
Mycobacterium ***tuberculosis*** antigens. In particular, it relates
to bi-fusion proteins which contain two individual M.
tuberculosis antigens, tri-fusion proteins which contain three
M. ***tuberculosis*** antigens, tetra-fusion proteins which contain
four M. ***tuberculosis*** antigens, and penta-fusion proteins which
contain five M. ***tuberculosis*** antigens, and methods for their
use in the diagnosis, treatment and prevention of ***tuberculosis***
infection.

L9 ANSWER 4 OF 5 USPATFULL on STN
AN 2003:206886 USPATFULL
TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis
IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES
Dillon, Davin C. , Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES
PA Corixa Corporation, Seattle, WA (U.S. corporation)
PI US 2003143243 A1 20030731
AI US 2002-84843 A1 20020225 (10)
RLI Continuation of Ser. No. US 1998-72967, filed on 5 May 1998, PENDING
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969 Continuation-in-part
of Ser. No. US 1996-730510, filed on 11 Oct 1996, ABANDONED

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Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996,
ABANDONED Continuation-in-part of Ser. No. US 1996-659683, filed on 5
Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620874,
filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US
1995-533634, filed on 22 Sep 1995, ABANDONED Continuation-in-part of
Ser. No. US 1995-523436, filed on 1 Sep 1995, ABANDONED

PRAI WO 1996-US14674 19960830

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 37

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9257

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for inducing protective immunity against
tuberculosis are disclosed. The compounds provided include
polypeptides that contain at least one immunogenic portion of one or
more M. ***tuberculosis*** proteins and DNA molecules encoding such
polypeptides. Such compounds may be formulated into vaccines and/or
pharmaceutical compositions for immunization against M.
tuberculosis infection, or may be used for the diagnosis of
tuberculosis.

L9 ANSWER 5 OF 5 USPATFULL on STN

AN 2003:195215 USPATFULL

TI Compounds and methods for diagnosis of ***tuberculosis***

IN Reed, Steven G., Bellevue, WA, UNITED STATES

Skeiky, Yasir A.W., Seattle, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

Houghton, Raymond, Bothell, WA, UNITED STATES

Vedvick, Thomas S., Federal Way, WA, UNITED STATES

Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES

Lodes, Michael J., Seattle, WA, UNITED STATES

Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

PI US 2003135026 A1 20030717

AI US 2002-193002 A1 20020710 (10)

RLI Continuation of Ser. No. US 1998-72596, filed on 5 May 1998, GRANTED,
Pat. No. US 6458366 Continuation-in-part of Ser. No. US 1998-24753,
filed on 18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US
1997-942341, filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser.
No. US 1997-818111, filed on 13 Mar 1997, GRANTED, Pat. No. US 6338852
Continuation-in-part of Ser. No. US 1996-729622, filed on 11 Oct 1996,
ABANDONED A 371 of International Ser. No. WO 1996-US14675, filed on 30
Aug 1996, PENDING A 371 of International Ser. No. US 1996-680574, filed
on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US
1996-658800, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser.
No. US 1996-620280, filed on 22 Mar 1996, ABANDONED Continuation-in-part
of Ser. No. US 1995-532136, filed on 22 Sep 1995, ABANDONED Continuation
of Ser. No. US 1995-523435, filed on 1 Sep 1995, ABANDONED

DT Utility

FS APPLICATION

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LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 54

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one antigenic portion of one or more M. ***tuberculosis*** proteins, and DNA sequences encoding such polypeptides. Diagnostic kits containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of M. ***tuberculosis*** infection in patients and biological samples. Antibodies directed against such polypeptides are also provided.

=> e campos neto antonio/au

E1 1 CAMPOS NETO A */AU
E2 1 CAMPOS NETO A C/AU
E3 125 --> CAMPOS NETO ANTONIO/AU
E4 1 CAMPOS NETO C/AU
E5 1 CAMPOS NETO C DE M/AU
E6 1 CAMPOS NETO C M/AU
E7 1 CAMPOS NETO CANTIDIO DE MOURA/AU
E8 4 CAMPOS NETO H M/AU
E9 1 CAMPOS NETO J DE S/AU
E10 1 CAMPOS NETO J M/AU
E11 1 CAMPOS NETO J P/AU
E12 3 CAMPOS NETO J S/AU

=> s e1-e3 and tuberculosis

L10 61 ("CAMPOS NETO A */AU OR "CAMPOS NETO A C"/AU OR "CAMPOS NETO ANTONIO"/AU) AND TUBERCULOSIS

=> dup rem l10

PROCESSING COMPLETED FOR L10

L11 45 DUP REM L10 (16 DUPLICATES REMOVED)

=> s l11 and tb38?

L12 5 L11 AND TB38?

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L12 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:549126 CAPLUS

DN 131:183862

TI Compounds and methods for immunotherapy and diagnosis of ***tuberculosis***

IN Reed, Steven G.; Skeiky, Yasir A. W.; Dillon, Davin C.; ***Campos-Neto,***

*** Antonio***; Houghton, Raymond; Vedvick, Thomas S.; Twardzik, Daniel R.;

Lodes, Michael J.; Hendrickson, Ronald C.

PA Corixa Corporation, USA

SO PCT Int. Appl., 299 pp.

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CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9942076	A2	19990826	WO 1999-US3268	19990217
WO 9942076	A3	19991014		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6592877	B1	20030715	US 1998-72967	19980505
CA 2337638	AA	19990826	CA 1999-2337638	19990217
AU 9927663	A1	19990906	AU 1999-27663	19990217
EP 1071451	A2	20010131	EP 1999-908169	19990217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002503683	T2	20020205	JP 2000-532093	19990217
ZA 9901303	A	20000315	ZA 1999-1303	19990218
AU 765833	B2	20031002	AU 2000-71762	20001122
PRAI US 1998-25197	A	19980218		
US 1998-72967	A	19980505		
US 1995-523436	B2	19950901		
US 1995-533634	B2	19950922		
US 1996-620874	B2	19960322		
US 1996-659683	B2	19960605		
US 1996-680574	B2	19960712		
WO 1996-US14674	B2	19960830		
AU 1996-71586	A3	19960930		
US 1996-730510	B2	19961011		
US 1997-818112	A2	19970313		
US 1997-942578	B2	19971001		
WO 1999-US3268	W	19990217		

AB Comps. and methods for inducing protective immunity against ***tuberculosis*** are disclosed. The comps. provided include polypeptides that contain at least one immunogenic portion of one or more Mycobacterium ***tuberculosis*** proteins and DNA mols. encoding such polypeptides. Such comps. may be formulated into vaccines and/or pharmaceutical comps. for immunization against M. ***tuberculosis*** infection, or may be used for the diagnosis of ***tuberculosis***.

L12 ANSWER 2 OF 5 USPATFULL on STN

AN 2003:213274 USPATFULL

TI Fusion proteins of mycobacterium ***tuberculosis*** antigens and their uses

IN Reed, Steven G., Bellevue, WA, UNITED STATES

Skeiky, Yasir A., Bellevue, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Alderson, Mark, Bainbridge, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

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PA Corixa Corporation, Seattle, WA (U.S. corporation)
PI US 2003147911 A1 20030807
AI US 2003-359460 A1 20030205 (10)
RLI Continuation of Ser. No. US 1999-287849, filed on 7 Apr 1999, ABANDONED
Continuation-in-part of Ser. No. US 1998-223040, filed on 30 Dec 1998,
GRANTED, Pat. No. US 6544522 Continuation-in-part of Ser. No. US
1998-56556, filed on 7 Apr 1998, GRANTED, Pat. No. US 6350456
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969
DT Utility
FS APPLICATION
LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 68 Drawing Page(s)
LN.CNT 3971
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to fusion proteins containing at least two
Mycobacterium ***tuberculosis*** antigens. In particular, it relates
to bi-fusion proteins which contain two individual M.
tuberculosis antigens, tri-fusion proteins which contain three
M. ***tuberculosis*** antigens, tetra-fusion proteins which contain
four M. ***tuberculosis*** antigens, and penta-fusion proteins which
contain five M. ***tuberculosis*** antigens, and methods for their
use in the diagnosis, treatment and prevention of ***tuberculosis***
infection.

L12 ANSWER 3 OF 5 USPATFULL on STN
AN 2003:206886 USPATFULL
TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis
IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES
Dillon, Davin C., Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES
PA Corixa Corporation, Seattle, WA (U.S. corporation)
PI US 2003143243 A1 20030731
AI US 2002-84843 A1 20020225 (10)
RLI Continuation of Ser. No. US 1998-72967, filed on 5 May 1998, PENDING
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969 Continuation-in-part
of Ser. No. US 1996-730510, filed on 11 Oct 1996, ABANDONED
Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996,
ABANDONED Continuation-in-part of Ser. No. US 1996-659683, filed on 5
Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620874,

THIS PAGE BLANK (US 70)

filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US
1995-533634, filed on 22 Sep 1995, ABANDONED Continuation-in-part of
Ser. No. US 1995-523436, filed on 1 Sep 1995, ABANDONED

PRAI WO 1996-US14674 19960830

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 37

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9257

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for inducing protective immunity against
tuberculosis are disclosed. The compounds provided include
polypeptides that contain at least one immunogenic portion of one or
more M. ***tuberculosis*** proteins and DNA molecules encoding such
polypeptides. Such compounds may be formulated into vaccines and/or
pharmaceutical compositions for immunization against M.
tuberculosis infection, or may be used for the diagnosis of
tuberculosis.

L12 ANSWER 4 OF 5 USPATFULL on STN

AN 2003:195215 USPATFULL

TI Compounds and methods for diagnosis of ***tuberculosis***

IN Reed, Steven G., Bellevue, WA, UNITED STATES

Skeiky, Yasir A.W., Seattle, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

Houghton, Raymond, Bothell, WA, UNITED STATES

Vedvick, Thomas S., Federal Way, WA, UNITED STATES

Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES

Lodes, Michael J., Seattle, WA, UNITED STATES

Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

PI US 2003135026 A1 20030717

AI US 2002-193002 A1 20020710 (10)

RLI Continuation of Ser. No. US 1998-72596, filed on 5 May 1998, GRANTED,
Pat. No. US 6458366 Continuation-in-part of Ser. No. US 1998-24753,
filed on 18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US
1997-942341, filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser.
No. US 1997-818111, filed on 13 Mar 1997, GRANTED, Pat. No. US 6338852
Continuation-in-part of Ser. No. US 1996-729622, filed on 11 Oct 1996,
ABANDONED A 371 of International Ser. No. WO 1996-US14675, filed on 30
Aug 1996, PENDING A 371 of International Ser. No. US 1996-680574, filed
on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US
1996-658800, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser.
No. US 1996-620280, filed on 22 Mar 1996, ABANDONED Continuation-in-part
of Ser. No. US 1995-532136, filed on 22 Sep 1995, ABANDONED Continuation
of Ser. No. US 1995-523435, filed on 1 Sep 1995, ABANDONED

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 54

THIS PAGE BLANK (US 70)

ECL Exemplary Claim: 1
DRWN 19 Drawing Page(s)
LN.CNT 9455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one antigenic portion of one or more M. ***tuberculosis*** proteins, and DNA sequences encoding such polypeptides. Diagnostic kits containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of M. ***tuberculosis*** infection in patients and biological samples. Antibodies directed against such polypeptides are also provided.

L12 ANSWER 5 OF 5 USPATFULL on STN

AN 2002:185292 USPATFULL

TI Compounds and methods for diagnosis and immunotherapy of
tuberculosis

IN ***Campos-Neto, Antonio*** , Bainbridge Island, WA, UNITED STATES
Skeiky, Yasir, Seattle, WA, UNITED STATES
Ovendale, Pamela, Everett, WA, UNITED STATES
Jen, Shyian, Seattle, WA, UNITED STATES
Lodes, Michael, Seattle, WA, UNITED STATES

PI US 2002098200 A1 20020725

AI US 2001-793306 A1 20010226 (9)

PRAI US 2000-223828P 20000808 (60)

US 2000-185037P 20000225 (60)

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 51

ECL Exemplary Claim: 1

DRWN 18 Drawing Page(s)

LN.CNT 6182

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** or for inducing protective immunity against ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one immunogenic portion of one or more Mycobacterium proteins and DNA molecules encoding such polypeptides. Diagnostic kits containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of Mycobacterium infection in patients and biological samples. Antibodies directed against such polypeptides are also provided. In addition, such compounds may be formulated into vaccines and/or pharmaceutical compositions for immunization against Mycobacterium infection.

=> e houghton raymond/au

E1 1 HOUGHTON RAY/AU

E2 3 HOUGHTON RAY L/AU

E3 46 --> HOUGHTON RAYMOND/AU

E4 165 HOUGHTON RAYMOND L/AU

E5 1 HOUGHTON REBECCA/AU

E6 3 HOUGHTON RICHARD/AU

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E7 21 HOUGHTON RICHARD A/AU
E8 4 HOUGHTON RICHARD B/AU
E9 2 HOUGHTON RICHARD C/AU
E10 2 HOUGHTON RICHARD D/AU
E11 10 HOUGHTON RICHARD DAVID/AU
E12 1 HOUGHTON RICHARD JOHN/AU

=> s e1-e4 and tuberculosis

L13 72 ("HOUGHTON RAY"/AU OR "HOUGHTON RAY L"/AU OR "HOUGHTON RAYMOND"/
AU OR "HOUGHTON RAYMOND L"/AU) AND TUBERCULOSIS

=> dup rem l13

PROCESSING COMPLETED FOR L13

L14 59 DUP REM L13 (13 DUPLICATES REMOVED)

=> s l14 and tb38?

L15 4 L14 AND TB38?

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 4 ANSWERS - CONTINUE? Y/(N):y

L15 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:265269 CAPLUS

DN 134:309685

TI Fusion proteins of Mycobacterium ***tuberculosis***

IN Skeiky, Yasir; Reed, Steven; ***Houghton, Raymond L.*** ; Mcneill,
Patricia D.; Dillon, Davin C.; Lodes, Michael L.

PA Corixa Corporation, USA

SO PCT Int. Appl., 168 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO	2001024820	A1	20010412	WO	2000-US28095	20001010
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP	1229931	A1	20020814	EP	2000-970785	20001010
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL

PRAI US 1999-158338P P 19991007

US 1999-158425P P 19991007

WO 2000-US28095 W 20001010

AB The present invention relates to fusion proteins contg. at least two

Mycobacterium species antigens. In particular, it relates to nucleic
acids encoding fusion proteins that include two or more individual M.

tuberculosis antigens, which increase serol. sensitivity of sera

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from individuals infected with ***tuberculosis*** , and methods for
their use in the diagnosis, treatment, and prevention of
tuberculosis infection.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:549126 CAPLUS

DN 131:183862

TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis

IN Reed, Steven G.; Skeiky, Yasir A. W.; Dillon, Davin C.; Campos-Neto,
Antonio; ***Houghton, Raymond*** ; Vedvick, Thomas S.; Twardzik, Daniel
R.; Lodes, Michael J.; Hendrickson, Ronald C.

PA Corixa Corporation, USA

SO PCT Int. Appl., 299 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9942076	A2	19990826	WO 1999-US3268	19990217
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WO 9942076	A3	19991014		
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W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,

DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,

KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,

MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,

TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,

FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,

CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6592877	B1	20030715	US 1998-72967	19980505
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CA 2337638	AA	19990826	CA 1999-2337638	19990217
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AU 9927663	A1	19990906	AU 1999-27663	19990217
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EP 1071451	A2	20010131	EP 1999-908169	19990217
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

JP 2002503683	T2	20020205	JP 2000-532093	19990217
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ZA 9901303	A	20000315	ZA 1999-1303	19990218
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AU 765833	B2	20031002	AU 2000-71762	20001122
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PRAI US 1998-25197 A 19980218

US 1998-72967	A	19980505		
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US 1995-523436	B2	19950901		
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US 1995-533634	B2	19950922		
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US 1996-620874	B2	19960322		
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US 1996-659683	B2	19960605		
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US 1996-680574	B2	19960712		
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WO 1996-US14674	B2	19960830		
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AU 1996-71586	A3	19960930		
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US 1996-730510	B2	19961011		
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US 1997-818112	A2	19970313		
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US 1997-942578	B2	19971001		
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WO 1999-US3268	W	19990217		
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AB Compds. and methods for inducing protective immunity against

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tuberculosis are disclosed. The compds. provided include polypeptides that contain at least one immunogenic portion of one or more Mycobacterium ***tuberculosis*** proteins and DNA mols. encoding such polypeptides. Such compds. may be formulated into vaccines and/or pharmaceutical compns. for immunization against M. ***tuberculosis*** infection, or may be used for the diagnosis of ***tuberculosis*** .

L15 ANSWER 3 OF 4 USPATFULL on STN

AN 2003:206886 USPATFULL

TI Compounds and methods for immunotherapy and diagnosis of ***tuberculosis***

IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES
Dillon, Davin C., Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA (U.S. corporation)

PI US 2003143243 A1 20030731

AI US 2002-84843 A1 20020225 (10)

RLI Continuation of Ser. No. US 1998-72967, filed on 5 May 1998, PENDING
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969 Continuation-in-part
of Ser. No. US 1996-730510, filed on 11 Oct 1996, ABANDONED
Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996,
ABANDONED Continuation-in-part of Ser. No. US 1996-659683, filed on 5
Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620874,
filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US
1995-533634, filed on 22 Sep 1995, ABANDONED Continuation-in-part of
Ser. No. US 1995-523436, filed on 1 Sep 1995, ABANDONED

PRAI WO 1996-US14674 19960830

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 37

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9257

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for inducing protective immunity against
tuberculosis are disclosed. The compounds provided include
polypeptides that contain at least one immunogenic portion of one or
more M. ***tuberculosis*** proteins and DNA molecules encoding such
polypeptides. Such compounds may be formulated into vaccines and/or
pharmaceutical compositions for immunization against M.
tuberculosis infection, or may be used for the diagnosis of
tuberculosis .

L15 ANSWER 4 OF 4 USPATFULL on STN

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AN 2003:195215 USPATFULL

TI Compounds and methods for diagnosis of ***tuberculosis***

IN Reed, Steven G., Bellevue, WA, UNITED STATES

Skeiky, Yasir A.W., Seattle, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

Houghton, Raymond, Bothell, WA, UNITED STATES

Vedvick, Thomas S., Federal Way, WA, UNITED STATES

Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES

Lodes, Michael J., Seattle, WA, UNITED STATES

Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

PI US 2003135026 A1 20030717

AI US 2002-193002 A1 20020710 (10)

RLI Continuation of Ser. No. US 1998-72596, filed on 5 May 1998, GRANTED, Pat. No. US 6458366 Continuation-in-part of Ser. No. US 1998-24753, filed on 18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US 1997-942341, filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818111, filed on 13 Mar 1997, GRANTED, Pat. No. US 6338852 Continuation-in-part of Ser. No. US 1996-729622, filed on 11 Oct 1996, ABANDONED A 371 of International Ser. No. WO 1996-US14675, filed on 30 Aug 1996, PENDING A 371 of International Ser. No. US 1996-680574, filed on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-658800, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620280, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1995-532136, filed on 22 Sep 1995, ABANDONED Continuation of Ser. No. US 1995-523435, filed on 1 Sep 1995, ABANDONED

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 54

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one antigenic portion of one or more M. ***tuberculosis*** proteins, and DNA sequences encoding such polypeptides. Diagnostic kits containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of M. ***tuberculosis*** infection in patients and biological samples. Antibodies directed against such polypeptides are also provided.

=> e vedvick thomas/au

E1 192 VEDVICK T S/AU

E2 1 VEDVICK TH S/AU

E3 14 --> VEDVICK THOMAS/AU

E4 1 VEDVICK THOMAS A/AU

E5 2 VEDVICK THOMAS H/AU

E6 146 VEDVICK THOMAS S/AU

E7 2 VEDVICK THOMAS SCOTT/AU

E8 3 VEDVICK TOM/AU

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E9 1 VEDVIG MATT/AU
E10 3 VEDVIK A/AU
E11 5 VEDVIK ANDREW H/AU
E12 1 VEDVIK ANNE/AU

=> s e1-e8 and tuberculosis

L16 71 ("VEDVICK T S"/AU OR "VEDVICK TH S"/AU OR "VEDVICK THOMAS"/AU
OR "VEDVICK THOMAS A"/AU OR "VEDVICK THOMAS H"/AU OR "VEDVICK
THOMAS S"/AU OR "VEDVICK THOMAS SCOTT"/AU OR "VEDVICK TOM"/AU)
AND TUBERCULOSIS

=> dup rem l16

PROCESSING COMPLETED FOR L16

L17 50 DUP REM L16 (21 DUPLICATES REMOVED)

=> s l17 and tb38?

L18 3 L17 AND TB38?

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L18 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:549126 CAPLUS

DN 131:183862

TI Compounds and methods for immunotherapy and diagnosis of

tuberculosis

IN Reed, Steven G.; Skeiky, Yasir A. W.; Dillon, Davin C.; Campos-Neto,
Antonio; Houghton, Raymond; ***Vedvick, Thomas S.*** ; Twardzik, Daniel
R.; Lodes, Michael J.; Hendrickson, Ronald C.

PA Corixa Corporation, USA

SO PCT Int. Appl., 299 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9942076	A2	19990826	WO 1999-US3268	19990217
WO 9942076	A3	19991014		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6592877	B1	20030715	US 1998-72967	19980505
CA 2337638	AA	19990826	CA 1999-2337638	19990217
AU 9927663	A1	19990906	AU 1999-27663	19990217
EP 1071451	A2	20010131	EP 1999-908169	19990217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002503683	T2	20020205	JP 2000-532093	19990217
ZA 9901303	A	20000315	ZA 1999-1303	19990218

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AU 765833 B2 20031002 AU 2000-71762 20001122
PRAI US 1998-25197 A 19980218
US 1998-72967 A 19980505
US 1995-523436 B2 19950901
US 1995-533634 B2 19950922
US 1996-620874 B2 19960322
US 1996-659683 B2 19960605
US 1996-680574 B2 19960712
WO 1996-US14674 B2 19960830
AU 1996-71586 A3 19960930
US 1996-730510 B2 19961011
US 1997-818112 A2 19970313
US 1997-942578 B2 19971001
WO 1999-US3268 W 19990217

AB Comps. and methods for inducing protective immunity against
tuberculosis are disclosed. The comps. provided include
polypeptides that contain at least one immunogenic portion of one or more
Mycobacterium ***tuberculosis*** proteins and DNA mols. encoding such
polypeptides. Such comps. may be formulated into vaccines and/or
pharmaceutical comps. for immunization against M. ***tuberculosis***
infection, or may be used for the diagnosis of ***tuberculosis***.

L18 ANSWER 2 OF 3 USPATFULL on STN

AN 2003:206886 USPATFULL

TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis

IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES
Dillon, Davin C., Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA (U.S. corporation)

PI US 2003143243 A1 20030731

AI US 2002-84843 A1 20020225 (10)

RLI Continuation of Ser. No. US 1998-72967, filed on 5 May 1998, PENDING
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969 Continuation-in-part
of Ser. No. US 1996-730510, filed on 11 Oct 1996, ABANDONED
Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996,
ABANDONED Continuation-in-part of Ser. No. US 1996-659683, filed on 5
Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620874,
filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US
1995-533634, filed on 22 Sep 1995, ABANDONED Continuation-in-part of
Ser. No. US 1995-523436, filed on 1 Sep 1995, ABANDONED

PRAI WO 1996-US14674 19960830

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

THIS PAGE BLANK (US 70)

CLMN Number of Claims: 37

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9257

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for inducing protective immunity against ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one immunogenic portion of one or more M. ***tuberculosis*** proteins and DNA molecules encoding such polypeptides. Such compounds may be formulated into vaccines and/or pharmaceutical compositions for immunization against M. ***tuberculosis*** infection, or may be used for the diagnosis of ***tuberculosis***.

L18 ANSWER 3 OF 3 USPATFULL on STN

AN 2003:195215 USPATFULL

TI Compounds and methods for diagnosis of ***tuberculosis***

IN Reed, Steven G., Bellevue, WA, UNITED STATES

Skeiky, Yasir A.W., Seattle, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

Houghton, Raymond, Bothell, WA, UNITED STATES

Vedvick, Thomas S., Federal Way, WA, UNITED STATES

Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES

Lodes, Michael J., Seattle, WA, UNITED STATES

Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

PI US 2003135026 A1 20030717

AI US 2002-193002 A1 20020710 (10)

RLI Continuation of Ser. No. US 1998-72596, filed on 5 May 1998, GRANTED, Pat. No. US 6458366 Continuation-in-part of Ser. No. US 1998-24753, filed on 18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US 1997-942341, filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818111, filed on 13 Mar 1997, GRANTED, Pat. No. US 6338852 Continuation-in-part of Ser. No. US 1996-729622, filed on 11 Oct 1996, ABANDONED A 371 of International Ser. No. WO 1996-US14675, filed on 30 Aug 1996, PENDING A 371 of International Ser. No. US 1996-680574, filed on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-658800, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620280, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1995-532136, filed on 22 Sep 1995, ABANDONED Continuation of Ser. No. US 1995-523435, filed on 1 Sep 1995, ABANDONED

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 54

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one antigenic portion of one or more M. ***tuberculosis*** proteins, and DNA sequences encoding such polypeptides. Diagnostic kits

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containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of M. ***tuberculosis*** infection in patients and biological samples. Antibodies directed against such polypeptides are also provided.

=> e twardzik daniel/au

E1 365 TWARDZIK D R/AU
E2 2 TWARDZIK DAN/AU
E3 15 --> TWARDZIK DANIEL/AU
E4 1 TWARDZIK DANIEL E/AU
E5 121 TWARDZIK DANIEL R/AU
E6 1 TWARDZIK DANILE R/AU
E7 4 TWARDZIK E/AU
E8 7 TWARDZIK ERWIN/AU
E9 2 TWARDZIK F C/AU
E10 18 TWARDZIK F G/AU
E11 6 TWARDZIK G/AU
E12 2 TWARDZIK GEORG/AU

=> s e1-e6 and tuberculosis

L19 21 ("TWARDZIK D R"/AU OR "TWARDZIK DAN"/AU OR "TWARDZIK DANIEL"/AU OR "TWARDZIK DANIEL E"/AU OR "TWARDZIK DANIEL R"/AU OR "TWARDZIK DANILE R"/AU) AND TUBERCULOSIS

=> dup rem l19

PROCESSING COMPLETED FOR L19

L20 15 DUP REM L19 (6 DUPLICATES REMOVED)

=> s l20 and tb38?

L21 3 L20 AND TB38?

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L21 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:549126 CAPLUS

DN 131:183862

TI Compounds and methods for immunotherapy and diagnosis of

tuberculosis

IN Reed, Steven G.; Skeiky, Yasir A. W.; Dillon, Davin C.; Campos-Neto, Antonio; Houghton, Raymond; Vedvick, Thomas S.; ***Twardzik, Daniel***
*** R.*** ; Lodes, Michael J.; Hendrickson, Ronald C.

PA Corixa Corporation, USA

SO PCT Int. Appl., 299 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9942076	A2	19990826	WO 1999-US3268	19990217
	WO 9942076	A3	19991014		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,

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KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6592877 B1 20030715 US 1998-72967 19980505
CA 2337638 AA 19990826 CA 1999-2337638 19990217
AU 9927663 A1 19990906 AU 1999-27663 19990217
EP 1071451 A2 20010131 EP 1999-908169 19990217

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

JP 2002503683 T2 20020205 JP 2000-532093 19990217
ZA 9901303 A 20000315 ZA 1999-1303 19990218
AU 765833 B2 20031002 AU 2000-71762 20001122

PRAI US 1998-25197 A 19980218

US 1998-72967 A 19980505
US 1995-523436 B2 19950901
US 1995-533634 B2 19950922
US 1996-620874 B2 19960322
US 1996-659683 B2 19960605
US 1996-680574 B2 19960712
WO 1996-US14674 B2 19960830
AU 1996-71586 A3 19960930
US 1996-730510 B2 19961011
US 1997-818112 A2 19970313
US 1997-942578 B2 19971001
WO 1999-US3268 W 19990217

AB Compds. and methods for inducing protective immunity against
tuberculosis are disclosed. The compds. provided include
polypeptides that contain at least one immunogenic portion of one or more
Mycobacterium ***tuberculosis*** proteins and DNA mols. encoding such
polypeptides. Such compds. may be formulated into vaccines and/or
pharmaceutical compns. for immunization against M. ***tuberculosis***
infection, or may be used for the diagnosis of ***tuberculosis***.

L21 ANSWER 2 OF 3 USPATFULL on STN

AN 2003:206886 USPATFULL

TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis

IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES
Dillon, Davin C., Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA (U.S. corporation)

PI US 2003143243 A1 20030731

AI US 2002-84843 A1 20020225 (10)

RLI Continuation of Ser. No. US 1998-72967, filed on 5 May 1998, PENDING
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1

THIS PAGE BLANK (US :TO)

Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969 Continuation-in-part
of Ser. No. US 1996-730510, filed on 11 Oct 1996, ABANDONED
Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996,
ABANDONED Continuation-in-part of Ser. No. US 1996-659683, filed on 5
Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620874,
filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US
1995-533634, filed on 22 Sep 1995, ABANDONED Continuation-in-part of
Ser. No. US 1995-523436, filed on 1 Sep 1995, ABANDONED

PRAI WO 1996-US14674 19960830

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 37

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9257

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for inducing protective immunity against
tuberculosis are disclosed. The compounds provided include
polypeptides that contain at least one immunogenic portion of one or
more M. ***tuberculosis*** proteins and DNA molecules encoding such
polypeptides. Such compounds may be formulated into vaccines and/or
pharmaceutical compositions for immunization against M.
tuberculosis infection, or may be used for the diagnosis of
tuberculosis.

L21 ANSWER 3 OF 3 USPATFULL on STN

AN 2003:195215 USPATFULL

TI Compounds and methods for diagnosis of ***tuberculosis***

IN Reed, Steven G., Bellevue, WA, UNITED STATES

Skeiky, Yasir A.W., Seattle, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

Houghton, Raymond, Bothell, WA, UNITED STATES

Vedvick, Thomas S., Federal Way, WA, UNITED STATES

Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES

Lodes, Michael J., Seattle, WA, UNITED STATES

Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

PI US 2003135026 A1 20030717

AI US 2002-193002 A1 20020710 (10)

RLI Continuation of Ser. No. US 1998-72596, filed on 5 May 1998, GRANTED,
Pat. No. US 6458366 Continuation-in-part of Ser. No. US 1998-24753,
filed on 18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US
1997-942341, filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser.
No. US 1997-818111, filed on 13 Mar 1997, GRANTED; Pat. No. US 6338852
Continuation-in-part of Ser. No. US 1996-729622, filed on 11 Oct 1996,
ABANDONED A 371 of International Ser. No. WO 1996-US14675, filed on 30
Aug 1996, PENDING A 371 of International Ser. No. US 1996-680574, filed
on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US
1996-658800, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser.
No. US 1996-620280, filed on 22 Mar 1996, ABANDONED Continuation-in-part
of Ser. No. US 1995-532136, filed on 22 Sep 1995, ABANDONED Continuation

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of Ser. No. US 1995-523435, filed on 1 Sep 1995, ABANDONED

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 54

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one antigenic portion of one or more M. ***tuberculosis*** proteins, and DNA sequences encoding such polypeptides. Diagnostic kits containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of M. ***tuberculosis*** infection in patients and biological samples. Antibodies directed against such polypeptides are also provided.

=> e lodes michael/au

E1 12 LODES M/AU
E2 117 LODES M J/AU
E3 5 --> LODES MICHAEL/AU
E4 175 LODES MICHAEL J/AU
E5 1 LODES MICHAEL L/AU
E6 3 LODES MICHAEL P/AU
E7 3 LODES RAINER/AU
E8 1 LODES RALPH R/AU
E9 2 LODES U/AU
E10 5 LODESANI C/AU
E11 45 LODESANI M/AU
E12 2 LODESANI MARCO/AU

=> s e1-e6 and tuberculosis

L22 76 ("LODES M"/AU OR "LODES M J"/AU OR "LODES MICHAEL"/AU OR "LODES MICHAEL J"/AU OR "LODES MICHAEL L"/AU OR "LODES MICHAEL P"/AU) AND TUBERCULOSIS

=> dup rem l22

PROCESSING COMPLETED FOR L22

L23 58 DUP REM L22 (18 DUPLICATES REMOVED)

=> s l23 and tb38?

L24 5 L23 AND TB38?

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L24 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:265269 CAPLUS

DN 134:309685

TI Fusion proteins of Mycobacterium ***tuberculosis***

IN Skeiky, Yasir; Reed, Steven; Houghton, Raymond L.; Mcneill, Patricia D.; Dillon, Davin C.; ***Lodes, Michael L.***

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PA Corixa Corporation, USA

SO PCT Int. Appl., 168 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2001024820	A1	20010412	WO 2000-US28095	20001010
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1229931	A1	20020814	EP 2000-970785	20001010
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL

PRAI US 1999-158338P P 19991007

US 1999-158425P P 19991007

WO 2000-US28095 W 20001010

AB The present invention relates to fusion proteins contg. at least two

Mycobacterium species antigens. In particular, it relates to nucleic acids encoding fusion proteins that include two or more individual M.

tuberculosis antigens, which increase serol. sensitivity of sera from individuals infected with ***tuberculosis***, and methods for their use in the diagnosis, treatment, and prevention of

tuberculosis infection.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:549126 CAPLUS

DN 131:183862

TI Compounds and methods for immunotherapy and diagnosis of

tuberculosis

IN Reed, Steven G.; Skeiky, Yasir A. W.; Dillon, Davin C.; Campos-Neto, Antonio; Houghton, Raymond; Vedvick, Thomas S.; Twardzik, Daniel R.; ***Lodes, Michael J.***; Hendrickson, Ronald C.

PA Corixa Corporation, USA

SO PCT Int. Appl., 299 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9942076	A2	19990826	WO 1999-US3268	19990217
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WO 9942076	A3	19991014			
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W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,

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MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6592877 B1 20030715 US 1998-72967 19980505
CA 2337638 AA 19990826 CA 1999-2337638 19990217
AU 9927663 A1 19990906 AU 1999-27663 19990217
EP 1071451 A2 20010131 EP 1999-908169 19990217

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

JP 2002503683 T2 20020205 JP 2000-532093 19990217
ZA 9901303 A 20000315 ZA 1999-1303 19990218
AU 765833 B2 20031002 AU 2000-71762 20001122

PRAI US 1998-25197 A 19980218

US 1998-72967 A 19980505
US 1995-523436 B2 19950901
US 1995-533634 B2 19950922
US 1996-620874 B2 19960322
US 1996-659683 B2 19960605
US 1996-680574 B2 19960712
WO 1996-US14674 B2 19960830
AU 1996-71586 A3 19960930
US 1996-730510 B2 19961011
US 1997-818112 A2 19970313
US 1997-942578 B2 19971001
WO 1999-US3268 W 19990217

AB Compds. and methods for inducing protective immunity against
tuberculosis are disclosed. The compds. provided include
polypeptides that contain at least one immunogenic portion of one or more
Mycobacterium ***tuberculosis*** proteins and DNA mols. encoding such
polypeptides. Such compds. may be formulated into vaccines and/or
pharmaceutical compns. for immunization against M. ***tuberculosis***
infection, or may be used for the diagnosis of ***tuberculosis*** .

L24 ANSWER 3 OF 5 USPATFULL on STN

AN 2003:206886 USPATFULL

TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis

IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES
Dillon, Davin C., Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA (U.S. corporation)

PI US 2003143243 A1 20030731

AI US 2002-84843 A1 20020225 (10)

RLI Continuation of Ser. No. US 1998-72967, filed on 5 May 1998, PENDING
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,

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filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969 Continuation-in-part of Ser. No. US 1996-730510, filed on 11 Oct 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-659683, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620874, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1995-533634, filed on 22 Sep 1995, ABANDONED Continuation-in-part of Ser. No. US 1995-523436, filed on 1 Sep 1995, ABANDONED

PRAI WO 1996-US14674 19960830

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 37

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9257

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for inducing protective immunity against ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one immunogenic portion of one or more M. ***tuberculosis*** proteins and DNA molecules encoding such polypeptides. Such compounds may be formulated into vaccines and/or pharmaceutical compositions for immunization against M. ***tuberculosis*** infection, or may be used for the diagnosis of ***tuberculosis***.

L24 ANSWER 4 OF 5 USPATFULL on STN

AN 2003:195215 USPATFULL

TI Compounds and methods for diagnosis of ***tuberculosis***

IN Reed, Steven G., Bellevue, WA, UNITED STATES

Skeiky, Yasir A.W., Seattle, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

Houghton, Raymond, Bothell, WA, UNITED STATES

Vedvick, Thomas S., Federal Way, WA, UNITED STATES

Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES

Lodes, Michael J., Seattle, WA, UNITED STATES

Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

PI US 2003135026 A1 20030717

AI US 2002-193002 A1 20020710 (10)

RLI Continuation of Ser. No. US 1998-72596, filed on 5 May 1998, GRANTED, Pat. No. US 6458366 Continuation-in-part of Ser. No. US 1998-24753, filed on 18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US 1997-942341, filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818111, filed on 13 Mar 1997, GRANTED, Pat. No. US 6338852 Continuation-in-part of Ser. No. US 1996-729622, filed on 11 Oct 1996, ABANDONED A 371 of International Ser. No. WO 1996-US14675, filed on 30 Aug 1996, PENDING A 371 of International Ser. No. US 1996-680574, filed on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-658800, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620280, filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US 1995-532136, filed on 22 Sep 1995, ABANDONED Continuation of Ser. No. US 1995-523435, filed on 1 Sep 1995, ABANDONED

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DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 54

ECL Exemplary Claim: 1

DRWN 19 Drawing Page(s)

LN.CNT 9455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one antigenic portion of one or more M. ***tuberculosis*** proteins, and DNA sequences encoding such polypeptides. Diagnostic kits containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of M. ***tuberculosis*** infection in patients and biological samples. Antibodies directed against such polypeptides are also provided.

L24 ANSWER 5 OF 5 USPATFULL on STN

AN 2002:185292 USPATFULL

TI Compounds and methods for diagnosis and immunotherapy of ***tuberculosis***

IN Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

Skeiky, Yasir, Seattle, WA, UNITED STATES

Ovendale, Pamela, Everett, WA, UNITED STATES

Jen, Shyian, Seattle, WA, UNITED STATES

Lodes, Michael, Seattle, WA, UNITED STATES

PI US 2002098200 A1 20020725

AI US 2001-793306 A1 20010226 (9)

PRAI US 2000-223828P 20000808 (60)

US 2000-185037P 20000225 (60)

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 51

ECL Exemplary Claim: 1

DRWN 18 Drawing Page(s)

LN.CNT 6182

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** or for inducing protective immunity against ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one immunogenic portion of one or more Mycobacterium proteins and DNA molecules encoding such polypeptides. Diagnostic kits containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of Mycobacterium infection in patients and biological samples. Antibodies directed against such polypeptides are also provided. In addition, such compounds may be formulated into vaccines and/or pharmaceutical compositions for immunization against Mycobacterium infection.

=> e hendrickson ronald/au

E1 8 HENDRICKSON ROGER R/AU

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E2 2 HENDRICKSON RON C/AU
 E3 0 --> HENDRICKSON RONALD/AU
 E4 38 HENDRICKSON RONALD C/AU
 E5 1 HENDRICKSON RONALD CHARLES/AU
 E6 2 HENDRICKSON RONALD H/AU
 E7 1 HENDRICKSON RONALD R/AU
 E8 2 HENDRICKSON RONALD W/AU
 E9 1 HENDRICKSON RONEE/AU
 E10 1 HENDRICKSON ROXANN M/AU
 E11 1 HENDRICKSON ROY/AU
 E12 1 HENDRICKSON ROY V/AU

=> s e2-e8 and tuberculosis

L25 17 ("HENDRICKSON RON C"/AU OR "HENDRICKSON RONALD"/AU OR "HENDRICKS
 ON RONALD C"/AU OR "HENDRICKSON RONALD CHARLES"/AU OR "HENDRICKS
 ON RONALD H"/AU OR "HENDRICKSON RONALD R"/AU OR "HENDRICKSON
 RONALD W"/AU) AND TUBERCULOSIS

=> dup rem l25

PROCESSING COMPLETED FOR L25

L26 11 DUP REM L25 (6 DUPLICATES REMOVED)

=> s l26 and tb38?

L27 3 L26 AND TB38?

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L27 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:549126 CAPLUS

DN 131:183862

TI Compounds and methods for immunotherapy and diagnosis of

tuberculosis

IN Reed, Steven G.; Skeiky, Yasir A. W.; Dillon, Davin C.; Campos-Neto,
 Antonio; Houghton, Raymond; Vedvick, Thomas S.; Twardzik, Daniel R.;
 Lodes, Michael J.; ***Hendrickson, Ronald C.***

PA Corixa Corporation, USA

SO PCT Int. Appl., 299 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9942076	A2	19990826	WO 1999-US3268	19990217
WO 9942076	A3	19991014		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG US 6592877 B1 20030715 US 1998-72967 19980505				

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CA 2337638 AA 19990826 CA 1999-2337638 19990217
AU 9927663 A1 19990906 AU 1999-27663 19990217
EP 1071451 A2 20010131 EP 1999-908169 19990217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

JP 2002503683 T2 20020205 JP 2000-532093 19990217
ZA 9901303 A 20000315 ZA 1999-1303 19990218
AU 765833 B2 20031002 AU 2000-71762 20001122
PRAI US 1998-25197 A 19980218
US 1998-72967 A 19980505
US 1995-523436 B2 19950901
US 1995-533634 B2 19950922
US 1996-620874 B2 19960322
US 1996-659683 B2 19960605
US 1996-680574 B2 19960712
WO 1996-US14674 B2 19960830
AU 1996-71586 A3 19960930
US 1996-730510 B2 19961011
US 1997-818112 A2 19970313
US 1997-942578 B2 19971001
WO 1999-US3268 W 19990217

AB Compds. and methods for inducing protective immunity against
tuberculosis are disclosed. The compds. provided include
polypeptides that contain at least one immunogenic portion of one or more
Mycobacterium ***tuberculosis*** proteins and DNA mols. encoding such
polypeptides. Such compds. may be formulated into vaccines and/or
pharmaceutical compns. for immunization against M. ***tuberculosis***
infection, or may be used for the diagnosis of ***tuberculosis*** .

L27 ANSWER 2 OF 3 USPATFULL on STN

AN 2003:206886 USPATFULL

TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis

IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES
Dillon, Davin C., Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA (U.S. corporation)

PI US 2003143243 A1 20030731

AI US 2002-84843 A1 20020225 (10)

RLI Continuation of Ser. No. US 1998-72967, filed on 5 May 1998, PENDING
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969 Continuation-in-part
of Ser. No. US 1996-730510, filed on 11 Oct 1996, ABANDONED
Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996, . .
ABANDONED Continuation-in-part of Ser. No. US 1996-659683, filed on 5
Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620874,
filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US

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1995-533634, filed on 22 Sep 1995, ABANDONED Continuation-in-part of
Ser. No. US 1995-523436, filed on 1 Sep 1995, ABANDONED
PRAI WO 1996-US14674 19960830
DT Utility
FS APPLICATION
LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834
CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN 19 Drawing Page(s)
LN.CNT 9257

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for inducing protective immunity against
tuberculosis are disclosed. The compounds provided include
polypeptides that contain at least one immunogenic portion of one or
more M. ***tuberculosis*** proteins and DNA molecules encoding such
polypeptides. Such compounds may be formulated into vaccines and/or
pharmaceutical compositions for immunization against M.
tuberculosis infection, or may be used for the diagnosis of
tuberculosis.

L27 ANSWER 3 OF 3 USPATFULL on STN

AN 2003:195215 USPATFULL

TI Compounds and methods for diagnosis of ***tuberculosis***

IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES
Dillon, Davin C., Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

PI US 2003135026 A1 20030717

AI US 2002-193002 A1 20020710 (10)

RLI Continuation of Ser. No. US 1998-72596, filed on 5 May 1998, GRANTED,
Pat. No. US 6458366 Continuation-in-part of Ser. No. US 1998-24753,
filed on 18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US
1997-942341, filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser.
No. US 1997-818111, filed on 13 Mar 1997, GRANTED, Pat. No. US 6338852
Continuation-in-part of Ser. No. US 1996-729622, filed on 11 Oct 1996,
ABANDONED A 371 of International Ser. No. WO 1996-US14675, filed on 30
Aug 1996, PENDING A 371 of International Ser. No. US 1996-680574, filed
on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US
1996-658800, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser.
No. US 1996-620280, filed on 22 Mar 1996, ABANDONED Continuation-in-part
of Ser. No. US 1995-532136, filed on 22 Sep 1995, ABANDONED Continuation
of Ser. No. US 1995-523435, filed on 1 Sep 1995, ABANDONED

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 54

ECL Exemplary Claim: 1

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DRWN 19 Drawing Page(s)

LN.CNT 9455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds and methods for diagnosing ***tuberculosis*** are disclosed. The compounds provided include polypeptides that contain at least one antigenic portion of one or more M. ***tuberculosis*** proteins, and DNA sequences encoding such polypeptides. Diagnostic kits containing such polypeptides or DNA sequences and a suitable detection reagent may be used for the detection of M. ***tuberculosis*** infection in patients and biological samples. Antibodies directed against such polypeptides are also provided.

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L3 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:265269 CAPLUS

DN 134:309685

TI Fusion proteins of Mycobacterium ***tuberculosis***

IN Skeiky, Yasir; Reed, Steven; Houghton, Raymond L.; Mcneill, Patricia D.;
Dillon, Davin C.; Lodes, Michael L.

PA Corixa Corporation, USA

SO PCT Int. Appl., 168 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO	2001024820	A1	20010412	WO	2000-US28095	20001010
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP	1229931	A1	20020814	EP	2000-970785	20001010
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL

PRAI US 1999-158338P P 19991007

US 1999-158425P P 19991007

WO 2000-US28095 W 20001010

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 16 USPATFULL on STN

AN 2003:250508 USPATFULL

TI Heterologous fusion protein constructs comprising a Leishmania antigen

IN Skeiky, Yasir, Bellevue, WA, UNITED STATES

Brannon, Mark, Seattle, WA, UNITED STATES

Guderian, Jeffrey, Lynwood, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA, UNITED STATES (U.S. corporation)

PI US 2003175294 A1 20030918

AI US 2002-98732 A1 20020313 (10)

PRAI US 2001-275837P 20010313 (60)

DT Utility

FS APPLICATION

LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834

CLMN Number of Claims: 82

ECL Exemplary Claim: 1

DRWN 10 Drawing Page(s)

LN.CNT 6952

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 16 USPATFULL on STN

AN 2003:234838 USPATFULL

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TI Compounds for immunotherapy and diagnosis of ***tuberculosis*** and methods of their use

IN Alderson, Mark Raymond, Bainbridge Island, WA, United States
Dillon, Davin C., Redmond, WA, United States
Skeiky, Yasir A. W., Seattle, WA, United States
Campos-Neto, Antonio, Bainbridge Island, WA, United States

PA Corixa Corporation, Seattle, WA, United States (U.S. corporation)

PI US 6613881 B1 20030902

AI US 1998-73010 19980505 (9)

RLI Continuation-in-part of Ser. No. US 1997-859381, filed on 20 May 1997,
now abandoned

DT Utility

FS GRANTED

EXNAM Primary Examiner: Marschel, Ardin H.

LREP Townsend and Townsend and Crew LLP

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN 4 Drawing Figure(s); 2 Drawing Page(s)

LN.CNT 2860

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 16 USPATFULL on STN

AN 2003:231636 USPATFULL

TI Vaccines

IN Friede, Martin, Farnham, UNITED KINGDOM

Garcon, Nathalie, Wavre, BELGIUM

Gerard, Catherine Marie Ghislaine, Rhode Saint Genese, BELGIUM

Hermand, Philippe, Court-Saint-Etienne, BELGIUM

PA SmithKline Beecham Biologicals s.a. (non-U.S. corporation)

PI US 2003161834 A1 20030828

AI US 2003-379164 A1 20030303 (10)

RLI Division of Ser. No. US 2000-690921, filed on 18 Oct 2000, GRANTED, Pat.

No. US 6544518 Continuation-in-part of Ser. No. WO 2000-EP2920, filed on

4 Apr 2000, UNKNOWN Continuation-in-part of Ser. No. US 1999-301829,

filed on 29 Apr 1999, GRANTED, Pat. No. US 6558670

PRAI GB 1999-8885 19990419

DT Utility

FS APPLICATION

LREP GLAXOSMITHKLINE, Corporate Intellectual Property- UW2220, P.O. Box 1539,
King of Prussia, PA, 19406-0939

CLMN Number of Claims: 29

ECL Exemplary Claim: 1

DRWN 12 Drawing Page(s)

LN.CNT 1737

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 5 OF 16 USPATFULL on STN

AN 2003:213274 USPATFULL

TI Fusion proteins of mycobacterium ***tuberculosis*** antigens and their uses

IN Reed, Steven G., Bellevue, WA, UNITED STATES

Skeiky, Yasir A., Bellevue, WA, UNITED STATES

Dillon, Davin C., Redmond, WA, UNITED STATES

Alderson, Mark, Bainbridge, WA, UNITED STATES

Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES

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CLMN Number of Claims: 44

ECL Exemplary Claim: 1

DRWN 2 Drawing Page(s)

LN.CNT 3101

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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EXNAM Primary Examiner: Swartz, Rodney P.
LREP Townsend and Townsend and Crew LLP
CLMN Number of Claims: 93
ECL Exemplary Claim: 1
DRWN 11 Drawing Figure(s); 13 Drawing Page(s)
LN.CNT 2650
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 15 OF 16 USPATFULL on STN
AN 2001:157807 USPATFULL
TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis
IN Reed, Steven G., Bellevue, WA, United States
Skeiky, Yasir A. W., Seattle, WA, United States
Dillon, Davin C., Redmond, WA, United States
Campos-Neto, Antonio, Bainbridge Island, WA, United States
Houghton, Raymond, Bothell, WA, United States
Vedvick, Thomas S., Federal Way, WA, United States
Twardzik, Daniel R., Bainbridge Island, WA, United States
PA Corixa Corporation, Seattle, WA, United States (U.S. corporation)
PI US 6290969 B1 20010918
AI US 1997-818112 19970313 (8)
RLI Continuation-in-part of Ser. No. US 1996-730510, filed on 11 Oct 1996
Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996
Continuation-in-part of Ser. No. US 1996-659683, filed on 5 Jun 1996
Continuation-in-part of Ser. No. US 1996-620874, filed on 22 Mar 1996,
now abandoned Continuation-in-part of Ser. No. US 1995-533634, filed on
22 Sep 1995, now abandoned Continuation-in-part of Ser. No. US
1995-523436, filed on 1 Sep 1995, now abandoned

DT Utility
FS GRANTED
EXNAM Primary Examiner: Swartz, Rodney P.
LREP Townsend & Townsend & Crew LLP
CLMN Number of Claims: 98
ECL Exemplary Claim: 1
DRWN 7 Drawing Figure(s); 9 Drawing Page(s)
LN.CNT 2142
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 16 OF 16 USPATFULL on STN
AN 2001:128900 USPATFULL
TI COMPOUNDS FOR DIAGNOSIS OF ***TUBERCULOSIS*** AND METHODS OF THEIR
USE
IN ALDERSON, MARK R., BAINBRIDGE ISLAND, WA, United States
DILLON, DAVIN C., REDMOND, WA, United States
SKEIKY, YASIR A.W., SEATTLE, WA, United States
CAMPOS-NETO, ANTONIO, BAINBRIDGE ISLAND, WA, United States
PI US 2001012888 A1 20010809
US 6555653 B2 20030429
AI US 1998-73009 A1 19980505 (9)
RLI Continuation-in-part of Ser. No. US 1997-858998, filed on 20 May 1997,
ABANDONED
DT Utility
FS APPLICATION
LREP PENNIE & EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711

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ECL Exemplary Claim: 1
DRWN 23 Drawing Figure(s); 14 Drawing Page(s)
LN.CNT 6417
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 13 OF 16 USPATFULL on STN
AN 2002:16583 USPATFULL
TI FUSION PROTEINS OF MYCOBACTERIUM ***TUBERCULOSIS*** ANTIGENS AND
THEIR USES
IN REED, STEVEN G., BELLEVUE, WA, UNITED STATES
SKEIKY, YASIR A., SEATTLE, WA, UNITED STATES
DILLON, DAVIN C., REDMOND, WA, UNITED STATES
ALDERSON, MARK, BAINBRIDGE ISLAND, WA, UNITED STATES
CAMPOS-NETO, ANTONIO, BAINBRIDGE, WA, UNITED STATES
PI US 2002009459 A1 20020124
US 6627198 B2 20030930
AI US 1999-287849 A1 19990407 (9)
RLI Continuation-in-part of Ser. No. US 1998-223040, filed on 30 Dec 1998,
PENDING Continuation-in-part of Ser. No. US 1998-56556, filed on 7 Apr
1998, PENDING Continuation-in-part of Ser. No. US 1998-25197, filed on
18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US 1997-942578,
filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser. No. US
1997-818112, filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969
DT Utility
FS APPLICATION
LREP ANNETTE S. PARENT, TOWNSEND AND TOWNSEND AND CREW LLP, TWO EMBARCADERO
CENTER, 8TH FLOOR, SAN FRANCISCO, CA, 94111-3834
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 47 Drawing Page(s)
LN.CNT 1524
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 14 OF 16 USPATFULL on STN
AN 2002:9651 USPATFULL
TI Compounds and methods for diagnosis of ***tuberculosis***
IN Reed, Steven G., Bellevue, WA, United States
Skeiky, Yasir A. W., Seattle, WA, United States
Dillon, Davin C., Redmond, WA, United States
Campos-Neto, Antonio, Bainbridge Island, WA, United States
Houghton, Raymond, Bothell, WA, United States
Vedvick, Thomas S., Federal Way, WA, United States
Twardzik, Daniel R., Bainbridge Island, WA, United States
PA Corixa Corporation, Seattle, WA, United States (U.S. corporation)
PI US 6338852 B1 20020115
AI US 1997-818111 19970313 (8)
RLI Continuation-in-part of Ser. No. US 729622 Continuation-in-part of Ser.
No. US 1996-680574, filed on 12 Jul 1996 Continuation-in-part of Ser.
No. US 1996-658800, filed on 5 Jun 1996 Continuation-in-part of Ser. No.
US 1996-620280, filed on 22 Mar 1996, now abandoned Continuation-in-part
of Ser. No. US 1995-532136, filed on 22 Sep 1995, now abandoned
Continuation of Ser. No. US 1995-523435, filed on 1 Sep 1995, now
abandoned
DT Utility
FS GRANTED

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Ovendale, Pamela, Everett, WA, UNITED STATES
Jen, Shyian, Seattle, WA, UNITED STATES
Lodes, Michael, Seattle, WA, UNITED STATES
PI US 2002098200 A1 20020725
AI US 2001-793306 A1 20010226 (9)
PRAI US 2000-223828P 20000808 (60)
US 2000-185037P 20000225 (60)
DT Utility
FS APPLICATION
LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834
CLMN Number of Claims: 51
ECL Exemplary Claim: 1
DRWN 18 Drawing Page(s)
LN.CNT 6182
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 11 OF 16 USPATFULL on STN
AN 2002:156980 USPATFULL
TI METHOD FOR THE ISOLATION OF NOVEL ANTIGENS
IN SKEIKY, YASIR A.W., SEATTLE, WA, UNITED STATES
DILLON, DAVIN C., REDMOND, WA, UNITED STATES
ALDERSON, MARK R., BAINBRIDGE ISLAND, WA, UNITED STATES
PA Jane E. R. Potter, Seattle, WA, 98104 (U.S. corporation)
PI US 2002081579 A1 20020627
AI US 1998-23588 A1 19980213 (9)
DT Utility
FS APPLICATION
LREP SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300,
SEATTLE, WA, 98104-7092
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 5 Drawing Page(s)
LN.CNT 1815
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 12 OF 16 USPATFULL on STN
AN 2002:39663 USPATFULL
TI Compositions and methods for the prevention and treatment of M.
tuberculosis infection
IN Reed, Steven G., Bellevue, WA, United States
Skeiky, Yasir A. W., Seattle, WA, United States
Dillon, Davin C., Redmond, WA, United States
PA Corixa Corporation, Seattle, WA, United States (U.S. corporation)
PI US 6350456 B1 20020226
AI US 1998-56556 19980407 (9)
RLI Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
now abandoned Continuation-in-part of Ser. No. US 1997-942578, filed on
1 Oct 1997, now abandoned Continuation-in-part of Ser. No. US
1997-818112, filed on 13 Mar 1997
DT Utility
FS GRANTED
EXNAM Primary Examiner: Swartz, Rodney P
LREP Townsend and Townsend and Crew LLP
CLMN Number of Claims: 10

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Continuation-in-part of Ser. No. US 1999-301829, filed on 29 Apr 1999
PRAI GB 1999-8885 19990419
DT Utility
FS GRANTED
EXNAM Primary Examiner: Scheiner, Laurie
LREP Sutton, Jeffery A., Venetianer, Stephen, Kinzig, Charles M.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 15 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 1721
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 9 OF 16 USPATFULL on STN
AN 2002:254057 USPATFULL
TI Compounds and methods for diagnosis of ***tuberculosis***
IN Reed, Steven G., Bellevue, WA, United States
Skeiky, Yasir A. W., Seattle, WA, United States
Dillon, Davin C., Redmond, WA, United States
Campos-Neto, Antonio, Bainbridge Island, WA, United States
Houghton, Raymond, Bothell, WA, United States
Vedvick, Thomas S., Federal Way, WA, United States
Twardzik, Daniel R., Bainbridge Island, WA, United States
Lodes, Michael J., Seattle, WA, United States
Hendrickson, Ronald C., Seattle, WA, United States
PA Corixa Corporation, Seattle, WA, United States (U.S. corporation)
PI US 6458366 B1 20021001
AI US 1998-72596 19980505 (9)
RLI Continuation-in-part of Ser. No. US 1998-24753, filed on 18 Feb 1998,
now abandoned Continuation-in-part of Ser. No. US 1997-942341, filed on
1 Oct 1997, now abandoned Continuation-in-part of Ser. No. US
1997-818111, filed on 13 Mar 1997 Continuation-in-part of Ser. No. US
1996-729622, filed on 11 Oct 1996, now abandoned Continuation-in-part of
Ser. No. US 1996-680574, filed on 12 Jul 1996, now abandoned
Continuation-in-part of Ser. No. US 1996-658800, filed on 5 Jun 1996,
now abandoned Continuation-in-part of Ser. No. US 1996-620280, filed on
22 Mar 1996, now abandoned Continuation-in-part of Ser. No. US
1995-532136, filed on 22 Sep 1995, now abandoned Continuation of Ser.
No. US 1995-523435, filed on 1 Sep 1995, now abandoned
PRAI WO 1996-US14675 19960830
DT Utility
FS GRANTED
EXNAM Primary Examiner: Swartz, Rodney P.
LREP Townsend & Townsend & Crew, LLP
CLMN Number of Claims: 5
ECL Exemplary Claim: 1
DRWN 23 Drawing Figure(s); 19 Drawing Page(s)
LN.CNT 8789
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 10 OF 16 USPATFULL on STN
AN 2002:185292 USPATFULL
TI Compounds and methods for diagnosis and immunotherapy of
tuberculosis
IN Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Skeiky, Yasir, Seattle, WA, UNITED STATES

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ECL Exemplary Claim: 1
DRWN 19 Drawing Page(s)
LN.CNT 9257
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 7 OF 16 USPATFULL on STN
AN 2003:195215 USPATFULL
TI Compounds and methods for diagnosis of ***tuberculosis***
IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES
Dillon, Davin C., Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES
PA Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)
PI US 2003135026 A1 20030717
AI US 2002-193002 A1 20020710 (10)
RLI Continuation of Ser. No. US 1998-72596, filed on 5 May 1998, GRANTED,
Pat. No. US 6458366 Continuation-in-part of Ser. No. US 1998-24753,
filed on 18 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US
1997-942341, filed on 1 Oct 1997, ABANDONED Continuation-in-part of Ser.
No. US 1997-818111, filed on 13 Mar 1997, GRANTED, Pat. No. US 6338852
Continuation-in-part of Ser. No. US 1996-729622, filed on 11 Oct 1996,
ABANDONED A 371 of International Ser. No. WO 1996-US14675, filed on 30
Aug 1996, PENDING A 371 of International Ser. No. US 1996-680574, filed
on 12 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US
1996-658800, filed on 5 Jun 1996, ABANDONED Continuation-in-part of Ser.
No. US 1996-620280, filed on 22 Mar 1996, ABANDONED Continuation-in-part
of Ser. No. US 1995-532136, filed on 22 Sep 1995, ABANDONED Continuation
of Ser. No. US 1995-523435, filed on 1 Sep 1995, ABANDONED

DT Utility
FS APPLICATION
LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834
CLMN Number of Claims: 54
ECL Exemplary Claim: 1
DRWN 19 Drawing Page(s)
LN.CNT 9455
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 8 OF 16 USPATFULL on STN
AN 2003:95812 USPATFULL
TI Vaccines
IN Friede, Martin, Farnham, UNITED KINGDOM
Garcon, Nathalie, Wavre, BELGIUM
Gerard, Catherine Marie Ghislaine, Rhode Saint Genese, BELGIUM
Hermand, Philippe, Court-Saint-Etienne, BELGIUM
PA SmithKline Beecham Biologicals s.a., Rixensart, BELGIUM (non-U.S.
corporation)
PI US 6544518 B1 20030408
AI US 2000-690921 20001018 (9)
RLI Continuation-in-part of Ser. No. WO 2000-EP2920, filed on 4 Apr 2000

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PA Corixa Corporation, Seattle, WA (U.S. corporation)
PI US 2003147911 A1 20030807
AI US 2003-359460 A1 20030205 (10)
RLI Continuation of Ser. No. US 1999-287849, filed on 7 Apr 1999, ABANDONED
Continuation-in-part of Ser. No. US 1998-223040, filed on 30 Dec 1998,
GRANTED, Pat. No. US 6544522 Continuation-in-part of Ser. No. US
1998-56556, filed on 7 Apr 1998, GRANTED, Pat. No. US 6350456
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969
DT Utility
FS APPLICATION
LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 68 Drawing Page(s)
LN.CNT 3971
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 16 USPATFULL on STN
AN 2003:206886 USPATFULL
TI Compounds and methods for immunotherapy and diagnosis of
tuberculosis
IN Reed, Steven G., Bellevue, WA, UNITED STATES
Skeiky, Yasir A.W., Seattle, WA, UNITED STATES
Dillon, Davin C., Redmond, WA, UNITED STATES
Campos-Neto, Antonio, Bainbridge Island, WA, UNITED STATES
Houghton, Raymond, Bothell, WA, UNITED STATES
Vedvick, Thomas S., Federal Way, WA, UNITED STATES
Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Lodes, Michael J., Seattle, WA, UNITED STATES
Hendrickson, Ronald C., Seattle, WA, UNITED STATES

PA Corixa Corporation, Seattle, WA (U.S. corporation)
PI US 2003143243 A1 20030731
AI US 2002-84843 A1 20020225 (10)
RLI Continuation of Ser. No. US 1998-72967, filed on 5 May 1998, PENDING
Continuation-in-part of Ser. No. US 1998-25197, filed on 18 Feb 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-942578, filed on 1
Oct 1997, ABANDONED Continuation-in-part of Ser. No. US 1997-818112,
filed on 13 Mar 1997, GRANTED, Pat. No. US 6290969 Continuation-in-part
of Ser. No. US 1996-730510, filed on 11 Oct 1996, ABANDONED
Continuation-in-part of Ser. No. US 1996-680574, filed on 12 Jul 1996,
ABANDONED Continuation-in-part of Ser. No. US 1996-659683, filed on 5
Jun 1996, ABANDONED Continuation-in-part of Ser. No. US 1996-620874,
filed on 22 Mar 1996, ABANDONED Continuation-in-part of Ser. No. US
1995-533634, filed on 22 Sep 1995, ABANDONED Continuation-in-part of
Ser. No. US 1995-523436, filed on 1 Sep 1995, ABANDONED
PRAI WO 1996-US14674 19960830
DT Utility
FS APPLICATION
LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834
CLMN Number of Claims: 37

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